1892

STAPLE PLUMBING GOODS

CATALOGUE "A"

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1892.

STAPLE PLUMBING GOODS.

CATALOGUE

"A"

L. Wolff Manufacturing Company

(ESTABLISHED 1855.)

MANUFACTURERS OF

PLUMBING GOODS

OF EVERY DESCRIPTION.

General Offices, 93 West Lake Street.

FACTORIES,

93-117 West Lake Street, 754-794 Fulton Street,

804-852 and 837-851 Carroll Avenue.

Show Rooms, 91 Dearborn Street,

MAY 1 2
162038

CHICAGO.

WESTERN BRANCH, - - - DENVER, COLORADO.

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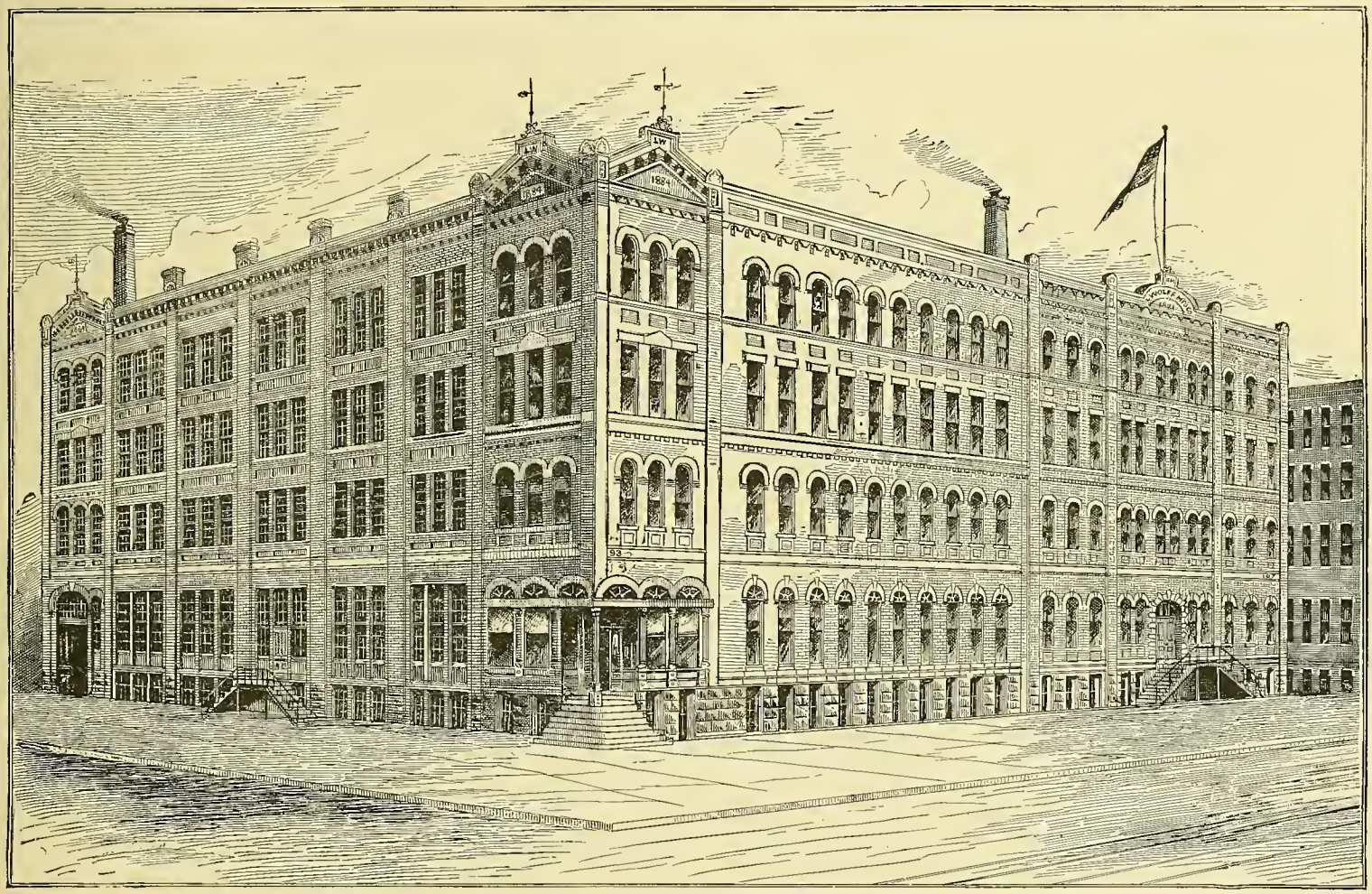
The Kehm, Fietsch & Wilson Co.
Printers,
117-121 Lake Street,
Chicago.

L. Wolff Manufacturing Company.



93 TO 107 WEST LAKE STREET,

General Offices and Salesrooms.

Brass and Machine Shop, Water Closet, Marble and Electro Plating Departments.

CHICAGO.

L. Wolff Manufacturing Company.

109 TO 117 WEST LAKE STREET,

Copper Shop, Slate and Soapstone, Wood Working and Finishing, Bath Tub and Lavatory Departments,

CHICAGO.

L. Wolff Manufacturing Company.

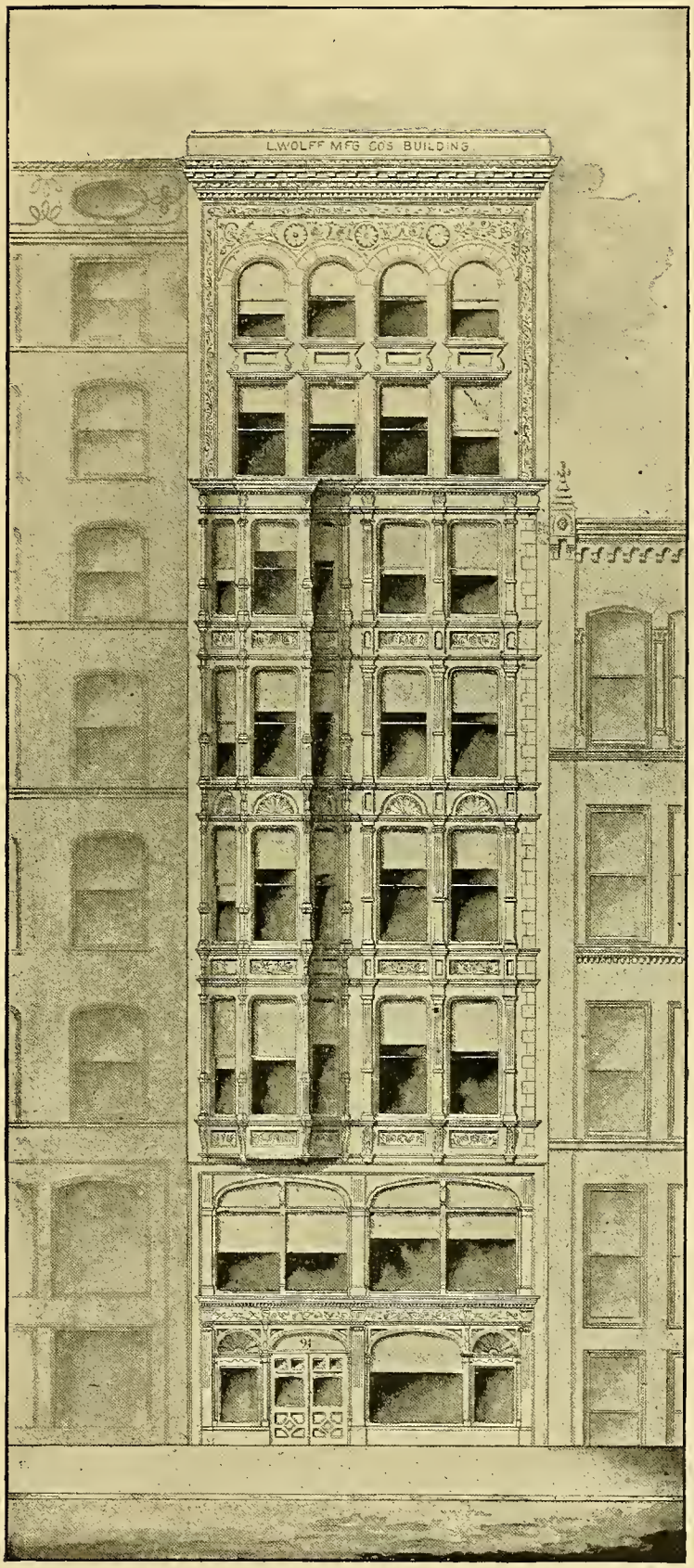
CARROLL AND HOYNE AVENUES AND FULTON STREETS,

MAIN BUILDING; 125 X 475 FEET,

Iron Foundry, Range Boiler, Enameling, Galvanizing, and Steel Sink Departments,

CHICAGO.

L. Wolff Manufacturing Company.



91 DEARBORN STREET,

Show Rooms,

CHICAGO.

TO THE TRADE.

This book we have compiled with a view of covering all Staple Plumbing Goods as manufactured by us, omitting all specialties, for had we included the illustrations and price lists necessary for our line of Plumbing Specialties, it would have proven unwieldy and cumbersome for general use.

We will, therefore, issue another catalogue devoted to Plumbing Specialties, being designated as Specialties, "Catalogue B," and which we will be pleased to send upon application.

When ordering please use the number designating the articles wanted, also being careful to use the prefix "A," in so doing errors and delays will be avoided.

We have added a telegraphic code for correspondence, also a code word to each price given in this catalogue so that any article can be ordered by wire, when desired.

April 15th, 1892.

TELEGRAPHIC CODE.

FOR CORRESPONDENCE.

QUESTIONS.

Vacancy.—How soon can you furnish —— ?
Vacated.—At what price, and how soon can you furnish ——?
Vacation.—Can you furnish from stock ? if not how long would it take ?
Vacilate.—How long will it take you to make —— ?
Vacuity.—Have you in stock ? if not all how many ?
Vagabond.—How many —— have you in stock ?
Vagarious.—Have you in stock —— ?
Vagary.—How many —— can we depend upon ?
Vagrancy.—Can you furnish us promptly —— ?
Vainglory.—Can you ship at once ——?
Vainness.—When will you ship our order ?
Valance.—When can you ship any part of our order ?
Valedicted.—When will you complete our order ?
Valentine.—We are waiting for the ——, shall we ship balance without them ?
Valiantly.—Shall we enter order ?
Validation.—Can we substitute ?
Validity.—Have you sent prices as requested in our letter of the —— ? Answer.

ANSWERS.

Wabble.—We can furnish ——.
Wabbling.—We have in stock.
Wachfeuer.—We have none in stock.
Wadded.—We have all in stock and can ship at once.
Wadding.—We have all in stock and will ship at once.
Wadhook.—We have the largest part in stock.
Wadsett.—We have no —— in stock.
Waeldchen.—We have —— in stock.
Waffner.—We can ship part from stock and balance in ——.
Wafers.—It will take us about —— to make.
Waftage.—Will ship at once.
Wafting.—Will ship in —— days.
Wafture.—We can ship immediately on receipt of order.
Wag.—We cannot furnish these goods at the time named.
Wagegela.—Will ship earlier if possible.
Wagerer.—We have no order.
Wagering.—We have already shipped your order of ——.
Wagging.—Too late to make alteration now.
Waggish.—Have changed order referred to and will ship.
Waggoner.—Will forward specifications by mail at once.
Wagtail—We have sent price by mail.

Telegraphic Code continued on next page.

TELEGRAPHIC CODE.—Continued.

INSTRUCTIONS.

Uberous.—Ship by rail.
Ubication.—Ship by boat.
Ubiquitous.—Ship by express.
Udder.—If you cannot ship at once ——.
Ugliness.—Ship what you have ready and let balance follow.
Ugly.—If you cannot ship by the time named, advise us by telegraph.
Ulcer.—Start tracer after.
Ulcerate.—Wanted badly ; when will you ship. Answer by telegraph.
Ulceration.—Please send shipping instructions.
Ulterior.—Please answer our letter (or telegram) of ——
Ultimatum.—Telegraph to-morrow early.
Ultimity.—Ship the whole order in one lot.
Ultraist.—Shipping instructions by mail.
Umbellate.—Rush shipment of ——.
Umbilical.—Telegram received too late to stop shipment.
Umbonate.—Ship at once, any portion of order.
Umbrage.—Your order was shipped.
Umbrageous.—We are holding order for the ——.
Umbratic.—Freight rate in car loads, per 100 lbs.
Umpirage.—Freight rate in less than car loads, per 100 lbs.
Unaccorded.—Free on board.
Unadored.—Will hold offer open.
Unailing.—If you cannot ship by the time named, advise us by wire.
Unalist.—Prices have advanced.
Unalloyed.—See our letter of ——.
Unanimity.—Send immediately duplicate of order of ——.
Unapt.—Ship earliest date possible and wire what date it will be.
Unawares.—Don't understand order —— give better particulars.
Unbaked.—Forward specifications, we require them to get out material properly.
Unbar.—Must have sketch showing exact locations of ——.
Unbecoming.—Your letter received, but enclosure mentioned missing.
Unbeliever.—On your order of ——.
Unbending.—F. O. B. Chicago.
Unbind.—F. O. B. Denver.
Unbolted.—Car load lots.
Unboned.—Less than car load lots.
Unbound.—Must have at once.

INDEX.

A

Acorn Tips, ... 240–241
Adjustable Shave Hooks, ... 357
" Urinal Inlet Connections—Wolff's Improved, ... 195
Adjustable Urinal Outlet Connections—Wolff's Improved, ... 194
Air Cocks, ... 53–245
Alcohol Cocks, ... 52
Ale Cocks, ... 242
Anchor Closet Bowls, ... 340
Angle Compression Stops, ... 81
" " " —Loose Key, . . 81
" Stops—Extra Pattern, Compression, . . 116
" Valves, ... 50
Anti-Syphon Trap Vent—McClellan's, . . 348

B

Backs and Brackets—Marble, ... 312
Backs—Sink, ... 275
Bags—Plumbers' Tool, ... 360
Bailey Slop Hopper, ... 283
Ball Cocks—Boston Self-Closing, ... 177
" " —Compression, ... 84
" " —Fuller, ... 138
" " —Ground Key, ... 42
" " —Improved, ... 84
Balls—Copper, ... 306
Ball Stem, for Fuller Hose Pipe, ... 223
Basins—C. O., ... 336–337
Basin Clamps, ... 211
" Chain, ... 217
" Cocks—Compression, ... 87–92
" " —Boston Self-Closing, . . . 170–171
" " —Double Bracket, ... 96
" " —Double Compression, . . . 97
" " —Extra Pattern, Compression, 119–122
" " —Fuller, ... 142–158
" " —Fuller Double, ... 149–151
" " —Fuller Bracket, ... 156–158
" " —Gielow's Patent, ... 172
" " —Ground, ... 54–57
" " —Self-Closing, ... 168–172
" Grate, ... 210
" Plugs, ... 206–207
" Plugs, with Rubber Stoppers, . . . 207
" Pumps, ... 237
" Wrench—Buzzell's 358
Bar Strainers—Brass, ... 209
Barbers' Slabs—Marble, ... 316–317
Barrel Cocks, ... 245
Bath Bibbs—Compression, ... 73–75
" " —Fuller, ... 133–134
" Chain, ... 172
Bath Cocks—Compression, ... 99–101
" " —Extra Pattern, Compression, 123–125
" " —Fuller, ... 161–167
Bath Plugs, ... 206–208
" Plugs, with Rubber Stopper, . . . 207
" Tubs, ... 309–311
" " —Copper, ... 309–310
" " —Monarch Porcelain, (see our specialties, Catalogue B.)
Bath Tubs—Porcelain Lined, ... 311
" Waste and Washer, ... 212
Bedfordshire Urinals, ... 338–339
Beer and Ale Work, ... 242–245
" " " Cock, ... 242–244
" " " Slabs, ... 319
" Pump, ... 245
" Vent—Schultz, ... 245
Bell Trap—Brass, for Urinal Base, ... 190
Bending Pins, ... 357
Bender—Billing's Pipe, ... 361
Bent Hose Couplings, ... 225
" Ferrules, ... 199
Bibb End for Hose, ... 227
Bibbs—Boston Self-Closing, ... 173–174
" —Compression, ... 58–70
" —Compression, Bath, ... 73–75
" —Compression, Hose, ... 59–70
" —Compression, Loose Key, . . . 65–67
" —Compression, Wash Tray, ... 71–73
" —Compression, for Wood, ... 64
" —Compression, Extra Pattern, . . 103–111
" —Fuller Bath, ... 133–134
" —Fuller Bath, Loose Key, ... 134
" —Fuller Hose, ... 127–132
" —Fuller Plain, ... 127–138
" —Fuller, Wash Tray, ... 136–138
" —Ground Key, ... 1–6
" —Ground Key Hose, ... 2–6
" —Prier Self-Closing, ... 179
" —Self-Closing Telegraph, ... 169
Billing's Pipe Bender, ... 361
Blast Furnace—Plumbers', ... 362
Blatchford Combination Ferrules, ... 201
Block Tin, ... 363
Blow Pipes, ... 359
Boiler Bracket, ... 303
" Couplings, ... 204
" Couplings, for Iron Pipe, ... 204
" Hangers, ... 303
" Stands, ... 302
Boilers—Copper, ... 304
" —Copper, with Coil, ... 304
" —Copper Wash, ... 308
" —With Coil, ... 300–304
" —Oyster, ... 306
" —Range, ... 298 301
Bolts—Copper, ... 356
" —Sink, ... 279
Borers—Tap, ... 357
Boston Self-Closing Ball Cocks, ... 177
" " Basin Cocks, ... 170–171
" " Bibbs, ... 173–174

B—CONTINUED.

Boston Self Closing Hopper Cocks, . . . 177
" " Pantry Cocks, . . . 175
" " Stop Cocks, . . . 176
" " Urinal Cocks, . . . 188–189
Bossing Sticks, ... 359
Box Cover, for Stop Cock, ... 289
Box—Grease, ... 358
Boxes—Stop—Wolff's, ... 290
Boxwood Bossing Sticks, ... 359
" Dressers, ... 359
" Side Edges, ... 359
" Turn Pins, ... 359
Bowls—Closet, ... 339
" —For Anchor Closet, ... 340
Bower Traps, ... 347
Bracket Basin Cock—Double Fuller, ... 158
" " " —Fuller, ... 156–158
" " " —Ground, ... 56–57
Brackets—Boiler, ... 303
" – Sink, ... 275
Brass Basin Pump, ... 237
" Bell Trap, for Urinal Stall Base, . . 190
" Ferrules, ... 198–200
" " —Bent, ... 199
" " —With Strainer, ... 198
" " —With Trap Screw, ... 198
" " Quarter Bend, ... 200
" Fittings, ... 240–241
" Lift and Force Pumps, ... 238–239
" Safe Waste Valve, ... 211
" Sewer Traps, ... 211
" Strainer, ... 209
" Tubes, ... 241
" Traps for Wash Tubs, ... 331
" Urinal Trap, ... 192–193
Brazed Copper Balls, ... 306
Burner Pliers, ... 358
Buzzell's Basin Wrench, ... 358

C

Calking Chisels, ... 356–357
Caps—Hose, ... 227
" —McMahon Sewer, ... 349
" —to cover Basin Cock Hole, ... 212
Cast Iron Pipe and Fittings, ... 247–269
" " Soil Pipe, ... 248–269
" " Sinks, ... 273–284
" " Traps, ... 266–271
Cesspools—Hydrant and Bell Trap, ... 285
Cesspool—Hydrant, ... 284–286
" —Large with Grating, ... 285
Cesspool Plates, ... 286
Cesspools—Willetts, ... 285
" —with Bell Trap, ... 285
Chain Stays, ... 213–215
" " —with Soap Cups, . . . 215–216
Chains—Basin, Bath and Wash Tray, . . . 217
Check and Guide for Street Washer, . . . 220
Chicago Vapor Torch, ... 361
Chipping Knives, ... 357
Chisels—Calking, ... 356–357
" —Cold, ... 356
" —Floor, ... 356
" —Wood, ... 356
" —Yarning, ... 356
Cistern Cocks, ... 7
" —Valve, ... 212
Climax Granite Wash Tubs, ... 321–322
Clamps—Basin, ... 211
" —Hose, ... 226
" —Hydrants, ... 218
Closet Bowls, Anchor, ... 340
" Bowls, ... 339
" Pans, ... 306
Closets and Urinal Combined, ... 341
" —Water, (see our specialties Catalogue B.)
Cloths—Wiping, ... 360
Cockhole Caps, ... 212
Cocks—Air, ... 53–245
" —Alcohol, ... 52
" —Ale, ... 242
" —Ball, Boston Self-Closing, . . . 177
" " Compression, ... 88
" " Fuller, ... 134
" " Ground Key, ... 42
" —Barrell, ... 245
" —Basin, Compression, ... 87–92
" " "Extra Pattern," Compression, 119–122
" " Fuller, ... 142–158
" " Ground, ... 54–57
" " Self-Closing, ... 168–172
" —Bath, Compression, ... 99–101
" " Extra Pattern Compression, . 123–125
" " Fuller, ... 161–167
" —Beer, ... 242–244
" —Boston Self-Closing, ... 170–171
" —Bracket Basin Compression, . . . 96
" " " Fuller, ... 156–158
" " " Ground, ... 56
" —Cistern, ... 7
" —Compression, ... 58–101
" " "Extra Pattern," . 102–125
" —Cooler, ... 244
Cock Cover, for Corporation Cock, ... 289
Cocks—Double Acting Hopper, ... 182
" " Bracket Basin Compression, . 97
" " " " Fuller, ... 158
" —Fuller Bath, ... 161–167
" " Bracket Basin, ... 156–158
" " Double Basin, ... 149–151
" " Pantry, ... 152–155
" —Gas Service, ... 52
" —Gielows Self Closing Basin, ... 172
" —Hopper, ... 182
" " Compression, ... 85–86
" " "Extra Pattern" Compression, 117–118
" " Fuller, ... 140–141
" " Kelly Stop and Waste, . . . 180
" —Hydrant Compression, ... 83
" " Ground Key, ... 38–40
" —Liquor, ... 244
" —Lock, ... 243
" —Meter, ... 52
" —Pantry, Boston Self Closing, . . . 175
" " Compression, ... 93–94
" " Fuller, ... 152–155
" —Prier, Basin and Pantry, ... 178
" —Racking, ... 243
" —Rain and Well Water, ... 41
" —Sill, Compression, ... 76–77
" —Shampoo, Compression, ... 95–98
" " Fuller, ... 157–160
" —Stop, ... 9–37

C—CONTINUED.

Cocks—Stop, Boston Self Closing, ... 176
" " Compression, ... 78–82
" " Fuller, ... 139
" " Prier, ... 179
" " For Wood, ... 48
" " Steam, ... 51
" —Urinal, Boston Self Closing, . 188–189
" " Compression, ... 184–187
" " Fuller, ... 190
" " Prier, ... 179
" " Loose Key Compression, . . 187
Cold Chisel, ... 356
Coler's Rubber Couplings, ... 355
Combined Closet and Urinal, ... 341
Combination Ferrules, Raymond and Blatchford, 200–201
" Pliers, ... 358
Combined Slop Sink and Trap, ... 280
Common Overflow Basins, ... 336
Compass Saws, ... 356
Compression Ball Cocks, ... 84
" Basin Cocks, ... 87–92
" " " "Extra Pattern," . 119–122
" Bath Bibbs, ... 73–75
" " Cocks, ... 99–101
" " " "Extra Pattern," 123–125
" Double Basin Cocks, ... 97
" " Bracket Basin Cocks, . 96
" " Pantry Cocks, ... 94
" " Shampoo, ... 95–98
" Extra Pattern Hopper Cock, . 117–118
" Hopper Cocks, ... 85–86
" " " "Extra Pattern," 117–118
" Hose Bibbs, ... 59–70
" Hydrant Cocks, ... 83
" Pantry Cocks, ... 93–94
" Plain Bibbs, ... 58–70
" " " for Wood, . . . 64
" " " Loose Key, . . . 65–67
" Sill Cocks, ... 76–77
" " " Loose Key, ... 77
" Stops, ... 78–82
" " "Extra Pattern," . . 113–116
" " " " Loose Key, 115–116
" " and Waste, "Extra Pattern," 112–114
" " Loose Key, ... 81–82
" Urinal Cocks, ... 184–187
" " " Loose Key, . . . 187
" Wash Tray Bibbs, ... 71–73
" " " " "Extra Pattern," 110–111
" Work, "Extra Pattern," . 102–125
Connections—Rubber, ... 354–355
" —Urinal Inlet, ... 195–196
" " Outlet, ... 194
Continuous Waste for Wash Tubs, ... 331
Cooler Cocks, ... 244
Copper Balls, ... 306
" Bath Tubs, ... 309–310
" Boilers, ... 304
" Closet Pans, ... 306
" Foot Tubs, ... 305
" Hatchet Bolts, ... 356
" Oyster Kettles, ... 306
" Pantry Sinks, ... 305–306
" Pointed Bolts, ... 356
" Seat Tubs, ... 305
" Showers, ... 308
Copper Wash Boiler, ... 307
" Wire, ... 364
Corner Sinks, ... 278
Corporation Cock Cover, ... 289
" Stops, ... 44–48
" " for Wood, ... 48
" " Mueller, ... 46
" " Payne, ... 47
Couplings—Boiler, ... 204
" " for Iron Pipe, ... 204
" " for Wood Mains, ... 49
" —Hose, ... 225
" " Bent, ... 225
" —Plain, ... 203
" —Sink, ... 279
" —Valve, ... 203
" —Water Back, ... 205
Cover—Street Washer, ... 289
Cudell Traps, ... 348
Cutters—Washer, ... 357
Cups—Rubber Force, ... 360
" —Soap, ... 279
" —Soil, ... 359

D

Daisy Lawn Sprinklers, ... 229
Diamond Hoppers, ... 340
Double Acting Hopper Cocks, ... 182
Douglas Instantaneous Water Heater, ... 352
Dressers—Boxwood, ... 359
Drinking Fountains, ... 318–319
" Slabs, ... 316
Drip Trays, ... 340
Drivers—Screw, ... 357
Dry Pipe Tapping Machine—Mueller, ... 350
Drum Traps—Lead, ... 346
Duplex Water Lifter—Gould's, ... 351

E

Earthenware, ... 336–340
Eccentric for Fuller Hose Pipe, ... 223
Elbows—Ricketts—Rubber, ... 354
Enameled Iron Bath Tubs, ... 311
" " Drip Trays, ... 340
" " Short Hopper and Traps . . 270
" " Slabs and Bowls, ... 296–297
" " Slop Sink, with Trap, . . . 280
" " Public Urinal, ... 287
" " Wash Stands, ... 293–297
" " Wash Tubs, ... 327–329
Expansion Tanks, ... 303
" " —Greenhouse, ... 265
Extra Long Traps, ... 345
Extra Pattern Compression Angle Stops . . 116
" " " Basin Cocks, . 119–122
" " " Bath Cocks, . 123–125
" " " Hopper Cocks, 117–118
" " " Hose Cocks, . . 109
" " " Plain Bibbs, . 103–109
" " " Stops, . . 113–116
" " " Stops and Wastes, 112–114
" " " Stops and Loose Key, 115–116
" " " Work, . . 102–125
" " " Wash Tray Bibbs, 110–111

F

Fastener—Hose Stap, ... 227
Ferrules—Brass, ... 198–200
" " Bent, ... 199
" " with Strainer, ... 198
" " with Trap Screw, ... 198
" " Quarter Bend, ... 200
" —Combination—Blatchford's, . . . 201
" —Combination—Raymond's, . . . 201
" —with Vent Connection, ... 198
Fibre—Washers, ... 364
Fittings—Brass, ... 240–241
" —Cast Iron Soil Pipe, ... 248–269
" —Greenhouse, ... 262–265
Filters—Globe Water, ... 224
Floor Chisels, ... 356
Fountains—Drinking, ... 318
Fountain—Jets, ... 234–236
Foot Tubs, ... 305
Force Cups—Rubber, ... 360
Force Pumps, ... 238–239
Friend—Plumbers, ... 360
French Closet Bowls, ... 339
Fuller Ball Cocks, ... 138
" Basin Cocks, ... 142–158
" Bracket Basin Cocks, ... 156–158
" Bracket Shampoo Cocks, ... 157–160
" Bath Bibbs, ... 133–134
" Bath Bibbs, Loose Key, ... 134
" Combination Bath Cocks, . . . 161–167
" Double Basin Cocks, ... 149–151
" Double Bracket Basin Cocks, . . . 158
" Double Pantry Cocks, ... 154–155
" Double Shampoo Cocks, ... 159–160
" Hopper Cock, ... 140–141
" Hose Bibbs, ... 127–132
" Hose Pipe, ... 223
" Hose Pipe Repairs, ... 223
" Pantry Cocks, ... 151–152
" Plain Bibbs, ... 127–138
" Repairs, ... 141
" Stops, ... 139
" Urinal Cocks, ... 190
" Work, ... 126–267
" Wash Tray Bibbs, ... 136–138
" Work Trimmings, ... 141
Furnace—Plumbers' Blast. 362

G

Galvanized Range Boilers, ... 298–301
" Expansion Tanks, ... 303
Gas Hooks, ... 363
Gas Pliers, ... 358
Gas Service Cocks, ... 52
Gem Spray Nozzle, ... 224
Gielow's Self-Closing Basin Cocks, ... 172
Globe Valves, ... 50
" Ventilators, ... 355
" Water Filter, ... 224
Goose Neck Screw, ... 220
Gould's Duplex Water Lifter, ... 351
Granite Wash Tubs, ... 321–322
Grates—Basin, ... 210
" —For Monarch Kitchen Sinks, ... 208
" —For Monarch Slop Sinks, . . . 208–209
" —Overflow, ... 209
" —Safe Waste, ... 210
Grease Boxes, ... 358
Green House Expansion Tanks, ... 265
" " Pipe and Fittings, ... 262–265
" " Valves, ... 264
Ground Basin Cocks, ... 54–57
" Bracket Basin Cocks, ... 56–57
" Bracket Shampoo Cocks, ... 57

H

Half-Round Sinks, ... 278
Hatchet Bolts—Copper, ... 356
Hammers, ... 356
Handles—Hydrant, ... 218
" —Rod, ... 218
Hanger—Iron, for Boilers, ... 303
Hayden Pipe Wrench, ... 358
Heaters—Water, ... 352–353
Heavy Soldering Unions, ... 203
Holly Hose Reel, ... 229
Hopper Cocks—Boston Self-Closing, ... 177
" " —Compression, ... 85–86
" " —Extra Pattern, Compression, 117–118
" " —Fuller, ... 140–141
" " —Johnson, ... 183
" " —Kelly, ... 180
Hoppers—Short—and Trap, Iron, ... 270
" —McIver, ... 341
" —Philadelphia, ... 340
" —Slop, ... 283
Hopper—Traps—Iron, ... 271
" and Traps Combined, ... 341
Hot Water Expansion Tanks, ... 303
Hooded Lipped Urinals, ... 339
Hooks—Gas, ... 363
Hooks—Pipe, ... 259
" —Plumbers', ... 363
" —Shave, ... 357
Hose Bibb Ends, ... 272
" Bibbs—Compression, ... 59–70
" " —Extra Pattern Compression, . 103–109
" " —Fuller, ... 127–132
" " —Ground Key, ... 2–6
" " —Prier Self-Closing, ... 179
" Caps, ... 227
" Clamps, ... 226
" Couplings, ... 225
" Increaser, ... 226
" Nipples, ... 226
" Pipes, ... 222–224
" " Fuller, ... 223
" Reducers, ... 226
" Reels, ... 229
" Splice, ... 226
" Sprinklers, ... 224
" Straps, ... 227
" Strap Fasteners, ... 227
" Valves, ... 228
Hospital Slop Sink, ... 282
Hydrants—Valve, ... 292
Hydrant—Cocks Compression, ... 83
" " Ground Key, ... 38–40
" Cesspools, ... 284–286
" " with Bell Trap, . . . 284–286
" Clamps, ... 218
" Handles, ... 218
" Nozzles, ... 219
" Sockets, ... 219

I

Improved Ball Cocks, ... 84
" Kitchen Sinks, ... 276–277
" Lead Traps, Wolff's 342–346
" Urinal Outlet Connections, . . 194
" " Traps, ... 193
Increasers, Hose, ... 226
Inlet Connections—Urinal, ... 195–196
Instantaneous Water Heater, ... 352
Iron Brackets, ... 275
" Hopper Traps, ... 271
" Hopper and Traps, ... 270
" Ladles, ... 360
" Legs, ... 275–281
" Range Boilers, ... 298–301
" " " with Coil, ... 300–301
" Sinks, ... 272–284
" Sink Plugs, ... 279
" Slabs and Bowls, ... 296–297
" Slop Sinks with Trap, ... 280
" Strainers, ... 286
" Traps, ... 266–271
" Urinals, ... 287
" Wash Stands, ... 293–297
Irons, round, ... 356

J

Jets—Fountain, ... 234–236
Johnson Hopper Cocks, ... 183

K

Kelly Hopper Cocks, ... 180
" Stop and Waste, ... 180
Keys—Street Washer, ... 220
Kitchen Boilers—Iron and Copper, . . 298–301–304
" Sinks, Wolff Improved, ... 276–277
" " Cast Iron, ... 272–277
Knives, Chipping, ... 357

L

Ladles—Iron, ... 360
Large Cesspools with Grates, ... 285
" Plumber's Furnaces, ... 362
Latch for Kelly Stop and Waste, ... 181
Laundry Tubs, ... 321–335
Lavatories—see our specialties Catalogue B. . .
Lawn Sprinklers, ... 229–333
Lead Drum Traps, ... 346
" Traps, ... 342–346
Legs—Cast Iron, ... 275–281
" —Sink, ... 275
" —Slop Sink, ... 281
Lift and Force Pumps, ... 238–239
Lifting Attachment for Privy Sinks, . . . 289
Lifter—Water, ... 351
Liquor Cocks, ... 244
Lock Cocks, ... 243
Loose Key Bath Bibbs—Fuller, ... 134
" " Compression Bibbs, ... 65
" " " Urinal Cocks, ... 187
" " Stops—Extra Pattern, Compression, 115–116
Low Down Basin Cocks—Boston S. C., . . 171

M

Marble Backs and Brackets, ... 312
" Barber Slabs, ... 316–317
" Radiator Tops, ... 320
" Slabs—Plumber's, ... 312 317
" " for Beer and Ale, ... 319
McClellan Anti-Siphon Trap Vent, ... 348
McIver Hopper, ... 341
McMahon's Sewer Caps, ... 349
Menders—Hose, ... 226
Meter Cocks, ... 52
Milk and Oyster Kettles, ... 306
Minneapolis Pattern Stop, ... 35–37
Monarch Porcelain Sink Grates, . . . 208–209
" " Slop Sink Grates, ... 209
" " Wash Tubs, . . . 333–335
" " Kitchen Sinks, see specialties Catalogue B.
Monarch Porcelain Pantry Sinks, see our specialties Catalogue B.
Mouldings—Marble, ... 312
Moulds—Tack, ... 355
Muellers' Automatic Pressure Regulator, . . . 349
" Corporation Stops, ... 46
" Tapping Machines, ... 350

N

Name Plates—Plumbers', ... 364
Nipples—Hose, ... 226
" —Soldering, ... 202
" " Bent, ... 202
" for Wood Mains, ... 49
Nozzles—Gem Spray, ... 224
" Hydrants, ... 219

O

Oakum—Spun, ... 363
Offset Calking Chisels, ... 357
Ohligers Rubber Connections, ... 354
Open Sink Strainers, ... 279
Outlet Connections for Urinals, ... 194
Oval Basins, ... 337
Oval Closet Bowls, ... 339
Oval Copper Pantry Sinks, ... 305
Overflow Grates, ... 209
Oyster Kettles, ... 306

P

Pan Closets, ... 341
Pans—Copper Closet, ... 306
Pantry Cocks—Boston Self Closing, ... 175
" " —Compression, ... 93–94
" " —Double Compression, ... 94
" " —Fuller, ... 152–155
" " " Double 154–155
" Sinks—Copper, ... 305–306
Patent Hopper Cocks—Johnson, ... 183
" Lifting Attachment for Privy Sink, . . 289
" Overflow Basins, ... 336–337
" " Sinks, ... 274
Pasteboard Washers, ... 364
Payne Corporation Stops, ... 47
Philadelphia Hoppers, ... 340
Pins—Boxwood Turn, ... 359

P—CONTINUED.

Pipe Bender—Billings, ... 361
Pipes—Blow, ... 359
Pipe—Cast Iron, ... 246–247
Pipes—Hose, ... 222
Pipe Hooks, ... 259
" Testers, ... 261
" Wrench—Hayden, ... 358
" " —Stillson, ... 358
Pins—Bending, ... 357
Plain Bibbs—Compression, ... 58–70
" " —Extra Pattern, ... 103–109
" " —Ground Key, ... 1–5
" Couplings, ... 203
" Stops, finished, ... 12–15–26–29
Plates—Cesspool, ... 286
Plated Screws, ... 364
Pliers—Combination, ... 358
" —Gas, ... 358
Plugs—Basin, ... 206–207
" —Bath, ... 206–208
" " with Rubber Stoppers, ... 207
" —Drift, ... 359
" —Sink—Iron 279
" for Slate or Soapstone Sinks, . . . 206–208
" —Wash Tray, ... 206–207
Plumbers' Blast Furnace, ... 362
" Earthenware, ... 336–340
" Force Pumps, ... 238–239
" Friend, ... 360
" Hooks, ... 363
" Name Plates, ... 364
" Slabs, ... 312–317
" Solder, ... 363
" Tool Bag, ... 360
" Torches, ... 359
" Wiping Cloths, ... 360
Pointed Bolts, ... 356
Porcelain Bath Tubs, see specialties Catalogue B.
" Drip Trays, ... 340
" Kitchen Sinks, see specialties Catalogue B.
" Lined Baths—Iron, ... 311
" " Iron Wash Tubs, ... 327–329
" Slop Sinks, see specialties Catalogue B.
" Wash Tubs, ... 333–335
Pots—Solder, ... 360
Prier Self Closing Basin cocks, ... 178
" " Bibbs, ... 179
" " Hose Bibbs, ... 179
" " Urinal Cocks, ... 179
" " Stops, ... 179
Privy Sinks, ... 288
Public Urinals, ... 287
Pull—Iron, for Kelly Hopper Cocks, . . . 181
Pumps, ... 237–239
Pumps—Beer, ... 245
" —Brass Basin, ... 237

R

Racking Cocks, ... 243
Radiator Tops,—Marble, ... 320
Rain and Well Water Cocks, ... 41
Raised Strainers, ... 210
" " for Urinal Trough, ... 210
Range Boilers, ... 298–391
" " with Coil, ... 300 304
Rasps, ... 356
Raymond Combination Ferrules, ... 201
Reducers—Hose, ... 226
Reels—Hose, ... 229
Regulators—Water Pressure, ... 349
Removable Shields, for Plumbers' Furnace, . . 362
Repairs—Fuller, ... 141
Rests—Rod, ... 219
Rickett's Rubber Elbows, ... 354
Rod Handles, ... 218
Rod Rests, ... 219
Roll Edge Kitchen Sinks, ... 276–277
Round Bar Strainers, ... 286
Round Irons, ... 356
Round Strainers—Brass, ... 209
Round Way Stops, ... 11–37
" " " finished, ... 15–29
" " " and Waste, ... 11–37
" " " " " finished, . . . 16
Rough Stops, ... 8–37
" " and Waste, ... 9–34
" " Minneapolis Pattern, . . . 35–37
" " Round Way, ... 11–37
" " with Coupling, ... 8
" " with Hose Coupling, ... 8
Rubber Connections, ... 354–355
" Force Cups, ... 360
" Ring Shampoo Sprinkler, ... 221
" Stoppers, ... 207

S

Safe Waste Grates, ... 210
" " Valve Brass, ... 211
Saws, ... 356
" —Compass, ... 356
Screw Drivers, ... 357
Screws—Goose Neck, ... 220
" —Plated, ... 364
" —Street Washer, ... 220
" —Trap, ... 197
Seat Tubs, ... 305
Seamless Drawn Brass Tubes, ... 241
Sectional Slabs and Bowls, ... 296
Self-Closing Ball Cocks—Boston, ... 177
" " Basins Cocks, ... 168–172
" " Basin Cocks Prier, ... 178
" " Plain Bibbs, ... 169
" " Hopper Cocks—Boston 177
" " Stop Cocks—Boston, ... 176
" " Urinal Cocks—Boston, ... 188–189
" " Work—Boston, ... 173–177
" " Work—Telegraph, ... 168–169
Sewer Caps—McMahons, ... 349
Sewer Traps, ... 211–286
Shampoo Cock—Bracket—Ground, ... 57
" " —Compression 95–98
" " —Double Fuller, ... 159–160
" " —Fuller, ... 157–160
Shampoo Sprinkler, with Rubber Ring, . . . 221
Shampoo Sprinklers, ... 221
Shave Hooks, ... 357
Shields for Plumbers' Furnace, ... 362
" —Urinal, ... 191
Short Hopper and Trap Iron, ... 270
Showers—Copper, ... 308
Shower—Stops, ... 13–27–43
Shower Stops, Flange and Handle, ... 43
Shultz Patent Beer Vent, ... 245

S—CONTINUED.

Side Edges—Boxwood, ... 359
Sill Cocks—Compression, ... 76–77
" " " Loose Key, ... 77
Sink Back with Air Chambers, ... 275
" Backs, ... 275
" Brackets, ... 275
" Couplings, ... 279
" Bolts, ... 279
" Grates, ... 208–209
" Legs, ... 275
" Plugs, ... 279
" or Bath Plugs, ... 206–208
" Strainers, ... 279
Sinks—Corner, ... 278
" —Half Round, ... 278
" —Iron, ... 272–284
" —Monarch Porcelain, see our specialties "Catalogue B.
" on Brackets, ... 275–276
" Patent Overflow, ... 274
" —Privy, ... 288
" —Slate, see our specialties "Catalogue B." .
" Slop, ... 280–284
" " on Legs, ... 281
" " with Bell Trap, ... 283
" Steel, ... 274
" Square Cast Iron, ... 273–275
Slabs and Bowls—Iron, ... 296–297
" —Barbers—Marble, ... 316–317
" —Drinking, ... 318–319
" —Marble—Plumbers' 312–317
Slate or Soapstone Sink Plugs, ... 208
Slate or Soapstone Sinks, see specialties "Catalogue B."
Slate or Soapstone Wash Tubs, ... 323–326
Slop Sink, ... 280–284
Slop Sink Grate, ... 208–209
Slop Hoppers, ... 283
Slop Sink Leg, ... 281
" " —Hospital, ... 282
" " —on legs, ... 281
" " —with Trap Standard, ... 280
" " —with Bell Trap, ... 283
Soap Cups—Iron, ... 279
" " —Brass, ... 215–216
" " —with Removable Cup, ... 216
Soapstone Washtubs, ... 323–326
Sockets—Hydrant, ... 219
Soil Cups, ... 359
Soil Pipe—Cast Iron, ... 247
" " —Fittings, ... 248–269
" " —Plug—Wolff's, ... 261
Solder, ... 363
Solder Pots, ... 360
Soldering Nipples, ... 202
" " —Bent, ... 202
Soldering Unions, ... 202
Splice—Hose, ... 226
Sponge Holder, ... 211
Sprinklers—Hose, ... 224
Sprinklers—Lawn, ... 229–233
Sprinklers—Shampoo, ... 221
Spun Oakum, ... 363
Square Earthenware Basins, ... 337
Square Copper Pantry Sinks, ... 305
Stands—Boiler, ... 302
Stays- Chain, ... 213–215
Steam Cocks, ... 51
Steel Sinks, ... 274
Steel Water Tanks, ... 353
Steamer—Thawing, ... 361
Sticks—Bossing, ... 359
Stillson Wrench, ... 358
Stop Boxes—Wolff's, ... 290
" Cock for Wood, ... 48
" Cocks, ... 9–37
" " Boston Self Closing, ... 176
" " Compression, ... 78–82
" " Fuller, ... 139
" " Prier Self Closing, ... 179
" " Box Cover, ... 289
" and Waste "Extra Pattern" Compression, 112–114
" " " Cocks Kelly, ... 180
" " " Round Way 11–37
" " " " " finished, ... 16
" " Wastes—Rough, ... 9–34
Stops—Angle, "Ex. Pat." Compression, . . . 116
" " Compression, ... 81
" —Compression, ... 78–82
" " Loose Key, ... 81–82
" —Corporation, ... 44–48
" " for Wood, ... 48
" " Mueller, ... 46
" " Payne, ... 47
" —Extra Pattern Compression, . . . 113–116
" " " " Loose Key, 115–116
" —Finished, . . . 12–13–15–16–26–27–29–30
" —Fuller, ... 139
" —Minneapolis Pattern, ... 35–37
" —Rough, ... 8–37
" with Hose Coupling, ... 8
" with Plain Couplings, ... 8
" —Round Way, Finished, ... 15
" —Shower, ... 13–27
" " Flange and Handle, ... 43
" with Couplings—"Ex. Pat." Compression, 113
" "W" Pattern, ... 31
Strainers—Brass, ... 209
" —Raised, ... 210
" —Round Bar, Iron, ... 286
" —Sink, ... 279
Straps—Tinned, ... 363
" —Hose, ... 227
Street Washers, ... 291–292
" Washer Check and Guide, ... 220
" " Cover, ... 289
" " Key, ... 220
" " Screws, ... 220
Stuffing Box Work, ... 102–125
Success Hose Reel, ... 229
Swing Seat—Hoppers and Traps, ... 341

T

Tack Moulds, ... 355
Tanks—Expansion, Hot Water, ... 303
" " Greenhouse, ... 265
" —Steel—Water, ... 353
Tap Borers, ... 357
Tapping Machines—Mueller's 350
Telegraph—Self-Closing Work, ... 168–169
Testers, Wolff's Pipe, ... 261
Thawing Steamer, ... 361
Tin—Block, ... 363
Tinned Copper Showers, ... 308

T—CONTINUED.

Tinned Straps, ... 363
Tips—Acorn, ... 240–241
Torches, ... 359
" —Chicago Vapor, ... 361
Tool Bag—Plumbers', ... 360
Traps—Brass Bell for Urinal Base, ... 190
" " for Wash Tubs, ... 331
" " Sewer, ... 211
" —Bower, ... 347
" —Cast Iron, ... 266–271
" —Cudell, ... 348
" —Lead, Drum 346
" —Iron, Hopper 271
" —Lead, Wolff's Improved, . . . 342–346
" —Screws, ... 197
" " Vented, ... 197
" " with Projecting Flange, . . . 197
" with Strainer for Urinal Base, ... 190
" with Sockets 197
" —Sewer, ... 286
" —Urinal, ... 192–193
" " Wolff's Improved, ... 193
Trap Vents, McClellan, ... 348
Trays—Drip, ... 340
Trimmings—Fuller, ... 141
Tubs—Copper Foot, ... 305
" —Porcelain Bath, see specialties Catalogue "B."
" —Copper Seat, ... 305
" —Zinc, ... 309
Turn Pins, ... 359

U

Unions—Soldering, ... 202
" —Soldering—Heavy, ... 203
Urinal Cocks, ... 184–190
" " —Boston Self-Closing, . . . 188–198
" " —Compression Loose Key, . . . 187
" " —Fuller, ... 190
" " —Prier, Self-Closing, . . . 179
" Connections, Wolff's Improved, . . . 194
" Inlet Connections, ... 195–196
" Outlet Connections, ... 194
" Shields, ... 191
" Traps, ... 192–193
" Traps, Brass Bell for Urinal Base, . . . 190
" Traps, Wolff's Improved, ... 193
" Trough Strainers, ... 210
Urinals—Bedfordshire, ... 338–339
" —Hooded, ... 339
" —Public, ... 287

V

Vacuum Valves, ... 211
Valve—Brass Safe Waste, ... 211
" Couplings, ... 203
" for Hydrants and Street Washers, . . . 292
" Water Closets, ... 341
Valves—Cistern, ... 212
" —Globe and Angle, ... 50
" —Green House, ... 264
" —Hose, ... 228
" —Vacuum, ... 211
Vapor Torch, ... 361
Vented Bower Traps, ... 347
Vented Brass Ferrules, ... 198.
Vented Lead Traps, ... 343–346
Vented Trap Screws, ... 197
Ventilators—Globe, ... 355
Vents—Beer, ... 245
" —McClellan Anti-Syphon, ... 348

W

Wash Boilers, ... 307
" Stands, ... 293–297
Wash Tubs, ... 321–335
" " —Climax, Granite, . . . 321–322
" " —Monarch Porcelain, . . . 333–335
" " —Porcelain Lined, ... 327–329
" " —Slate and Soapstone, . . . 323–326
" " —Yorkshire, ... 330–332
" Tray Chain, ... 217
" " Bibbs, Compression, ... 71–73
" " " " "Extra Pattern," 110–111
" " " " Fuller, . . . 136–138
" " " Plugs, ... 206–207
" " " " with Rubber Stopper, . . 207
" " Waste, ... 212
Washer Cutter, ... 357
Washers—Pasteboard, ... 364
Waste—Continuous, for Wash Tubs, ... 331
Waste and Washer, for Wash Tray and Baths, 212
Water Back Couplings, ... 205
" " " with long spuds, . . . 205
" Closets, (for a full line see our specialties, "Catalogue B.)
Water Closets—Valve, ... 341
" Filter—Globe, ... 224
" Heaters, ... 352–353
" " —Douglas, ... 352
" Lifter—Duplex, ... 351
" Pressure Regulator—Mueller's, . . . 349
" Tanks, ... 353
Willett's Cesspools, ... 285
Wilk's Water Heaters 353
Wiping Cloths, ... 360
Wire—Copper, ... 364
Wire Sponge Holder, ... 211
Wolff's Adjustable Urinal Connections, . . . 194
" Climax Granite Wash Tubs, . . . 321–322
" Combination Ferrules, ... 200
" Copper Tubs, ... 309–310
" Improved Lead Traps, ... 342–346
" " Roll Rim Sinks, ... 276
" " Urinal Traps, ... 193
" " " Inlet Connection, . . . 195
" Lawn Sprinklers, ... 230–233
" Patent Street Washers, ... 291
" " Stop Boxes, ... 290
" Soil Pipe Plug, ... 261
Wood Chisels, ... 356
Wrench—Buzzell's Basin 358
" —Hayden Pipe, ... 358
" —Stillson's, ... 358
Wrought Iron Bracket for Boilers, ... 303
" " Hanger, ... 303
" Steel Sinks, ... 274
"W" Pattern Stop, ... 31

Y

Yarning Chisel, ... 356
Yorkshire Wash Tubs, ... 330–332

Z

Zinc Tubs, ... 399

PLUMBERS' BRASS WORK.

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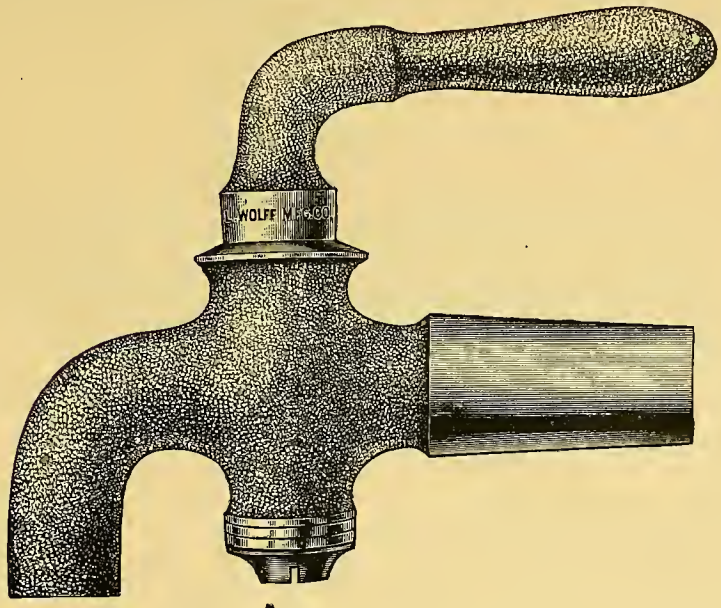

A–1.

Size,	¼	⅜	½	⅝	¾	1	1¼	1½	2 in.
Rough, per doz.,	$9.00 Aback.	11.00 Abaft.	14.00 Abandon.	16.00 Abase.	21.00 Abash.	32.00 Abate.	52.00 Abbess.	72.00 Abbey.	150.00 Abnet.

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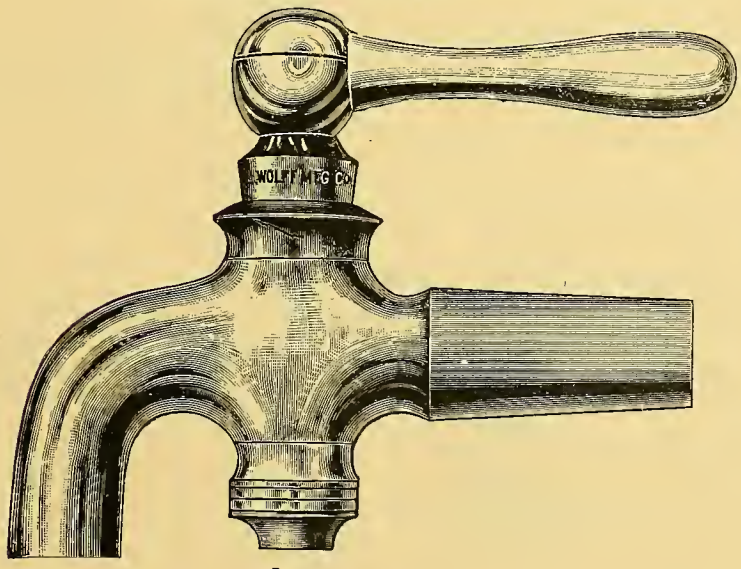

A–2.

Size,	¼	⅜	½	⅝	¾	1	1¼	1½	2 in.
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Nickel Plated, per doz.,	$12.00 Abhor.	14.00 Abhorrent.	17.50 Abib.	20.50 Abide.	26.50 Abiding.	39.00 Ability.			

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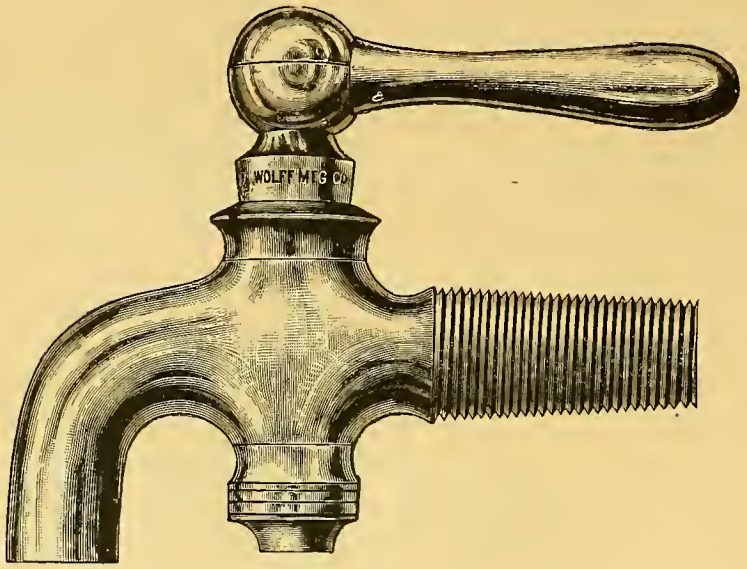

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Nickel Plated, per doz.,	$13.00 Abode.	15.50 Abolish.	19.50 Abolition.	22.50 Abominate.	29.50 Abortive.	44.00 Abound.

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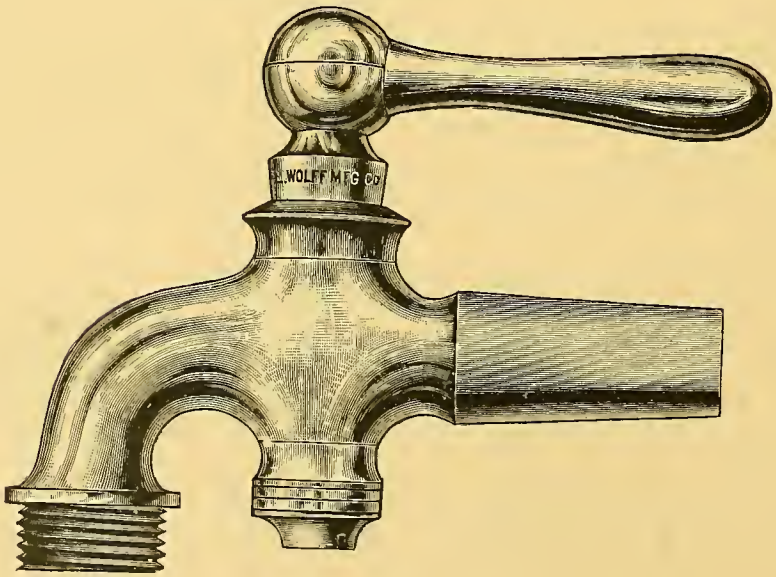

A—4.

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Finished, per doz.,	$16.00 About.	19.00 Above.	26.00 Abrade.	39.00 Abrasion.
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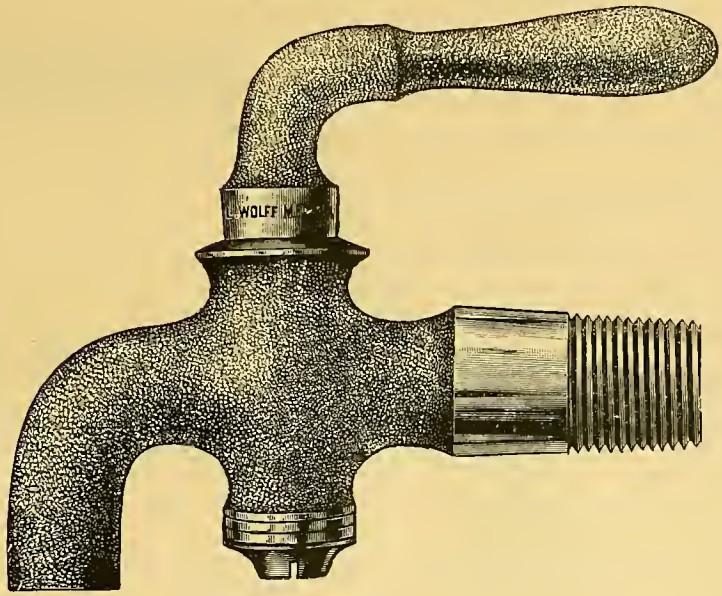

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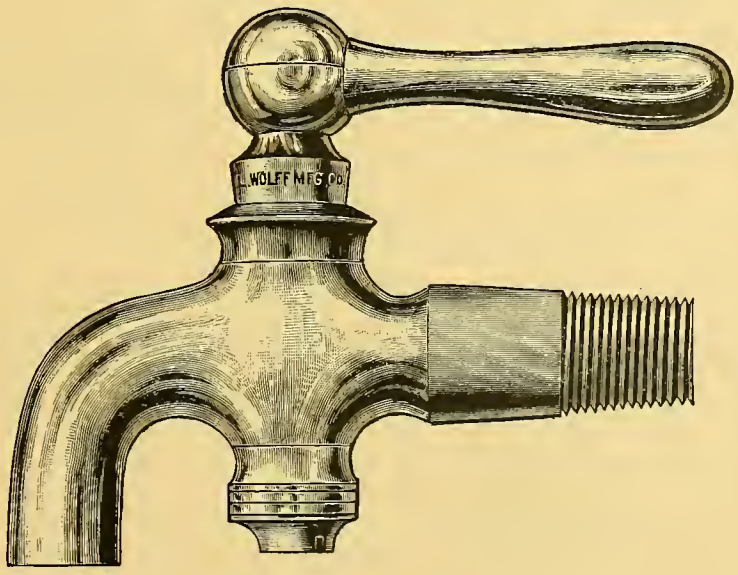

A—6.

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Nickel Plated, per doz.,	$13.00 Abusive.	15.00 Abut	18.50 Abutment.	21.50 Abuttal.	28.50 Abyss.	42.00 Academic.

HOSE BIBBS, FOR IRON PIPE, WITHOUT SHOULDER.

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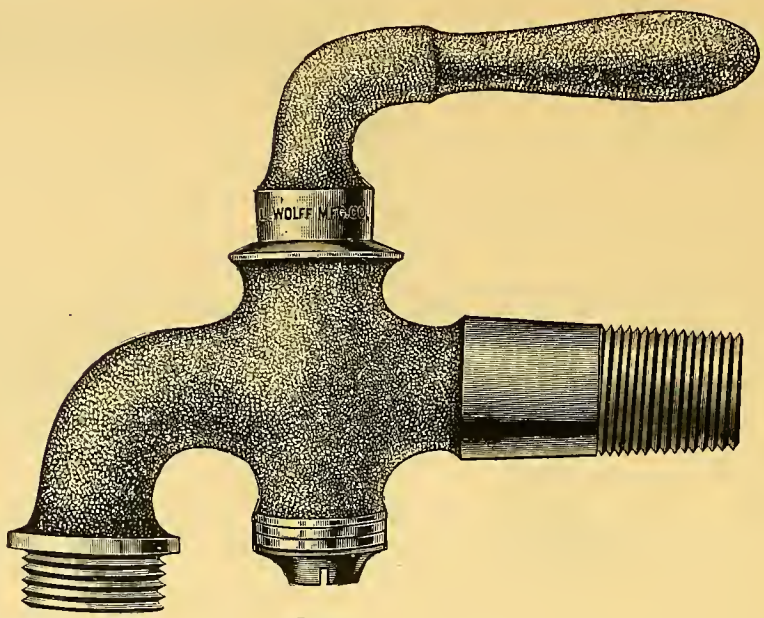

A—7.

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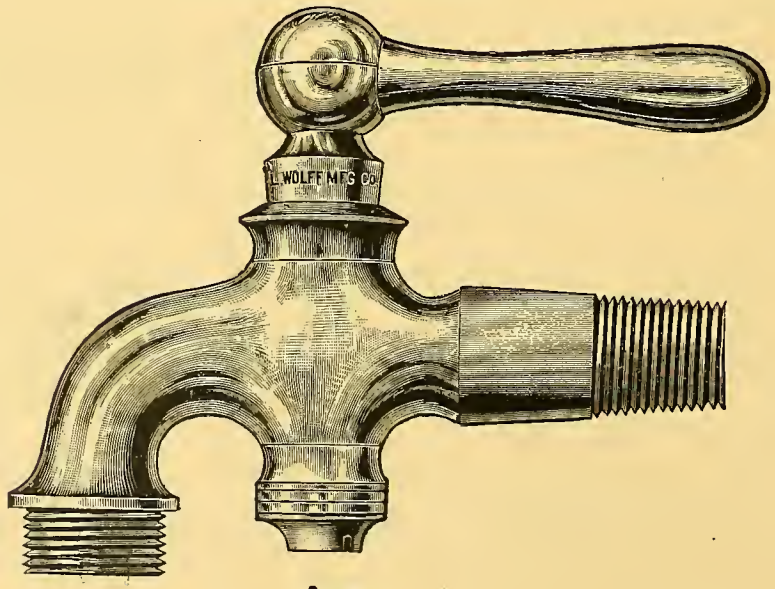

A—8.

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Nickel Plated, per doz.,	$19.50 Accessible.	22.50 Accession.	30.50 Accidence	45.00 Accident.

PLAIN BIBBS, FOR IRON PIPE.

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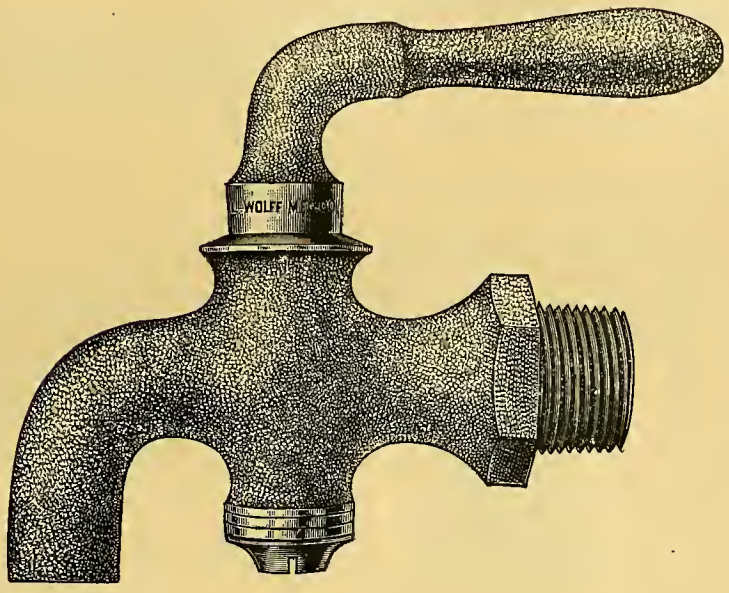

A—9.

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PLAIN BIBBS, FOR IRON PIPE.

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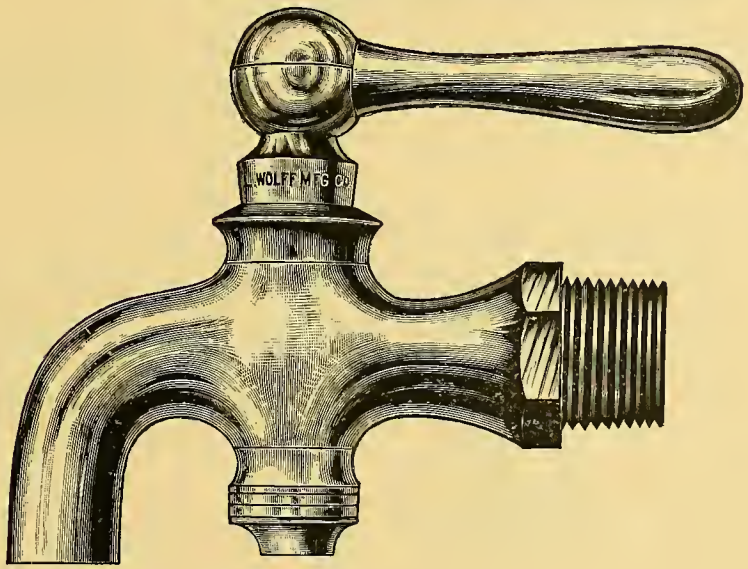

A—10.

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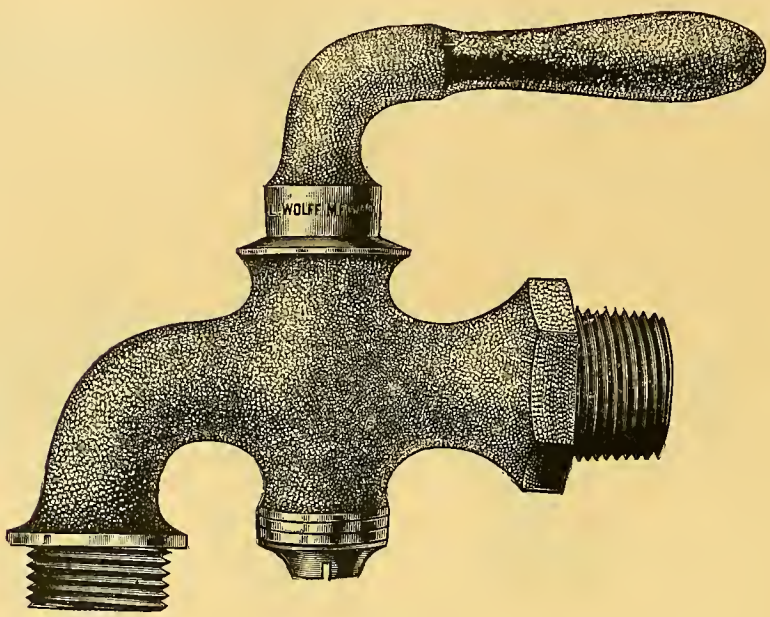
Finished, per doz.,	$11.00 Accouple.	13.00 Accoutre.	16.00 Accredit.	19.00 Accretion.	26.00 Accretive.	39.00 Accrue.
Nickel Plated, per doz.,	$13.00 Accuracy.	15.00 Accurse.	18.50 Accusant.	21.50 Accuse.	28.50 Accuser.	42.00 Accustom

HOSE BIBBS, FOR IRON PIPE.

ROUGH.

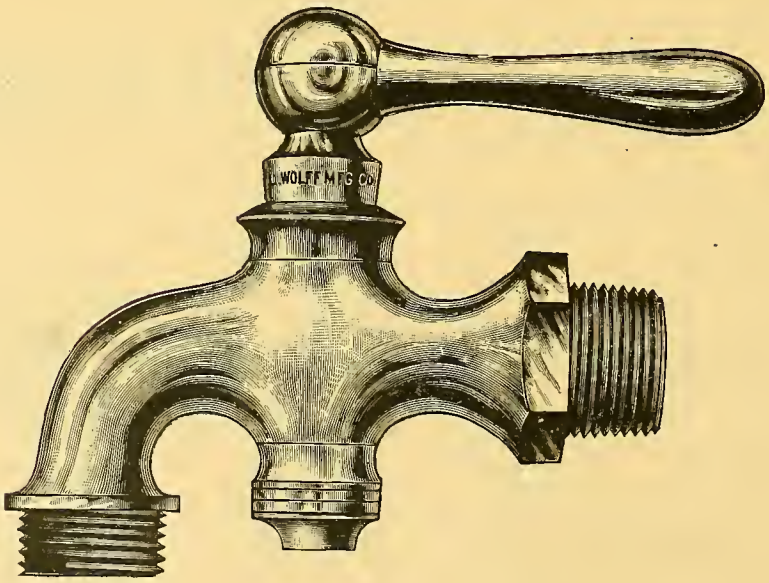


A—11.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$16.00 Ace.	18.00 Aceldama.	25.00 Acerbity.	38.00 Acescent.

HOSE BIBBS, FOR IRON PIPE.

FINISHED AND PLATED.

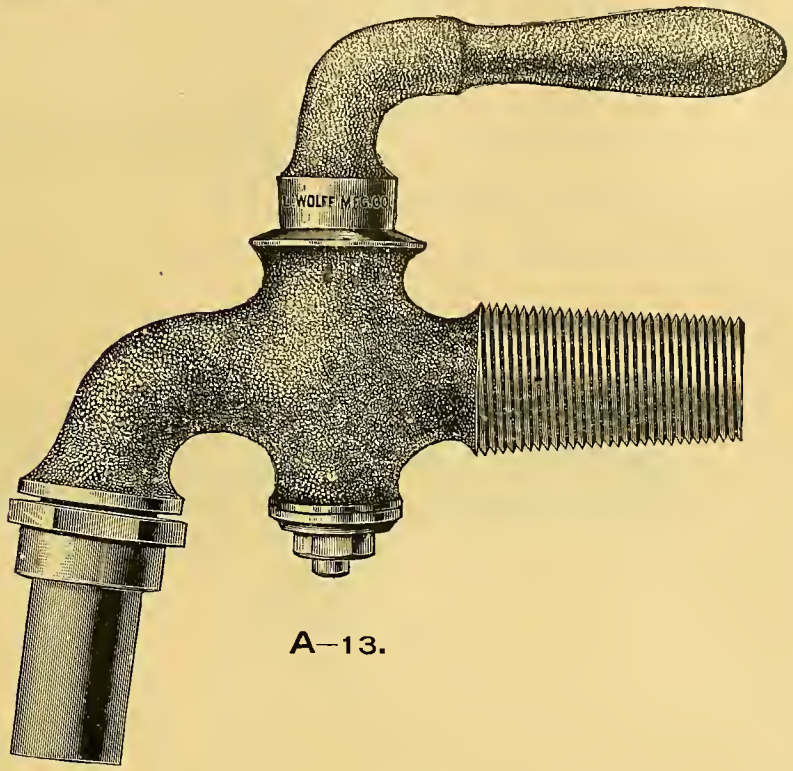


A—12.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$17.00 Achieve.	20.00 Aching.	28.00 Acid.	42.00 Acidify.
Nickel Plated, per doz.,	$19.50 Acme.	22.50 Acorn.	30.50 Acoustic.	45.00 Acquaint.

CISTERN COCKS.

SCREWED FOR WOOD WITH PLAIN COUPLING.

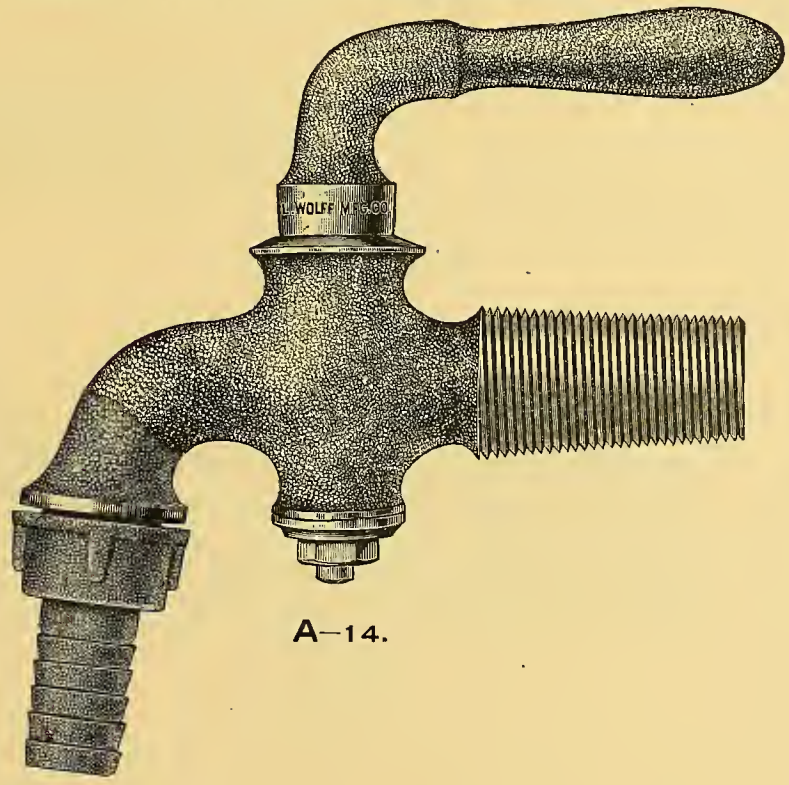


A—13.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$20.00 Acquest.	24.00 Acquiet.	31.00 Aquisite.	44.00 Acquisition.

CISTERN COCKS.

SCREWED FOR WOOD WITH HOSE COUPLING.

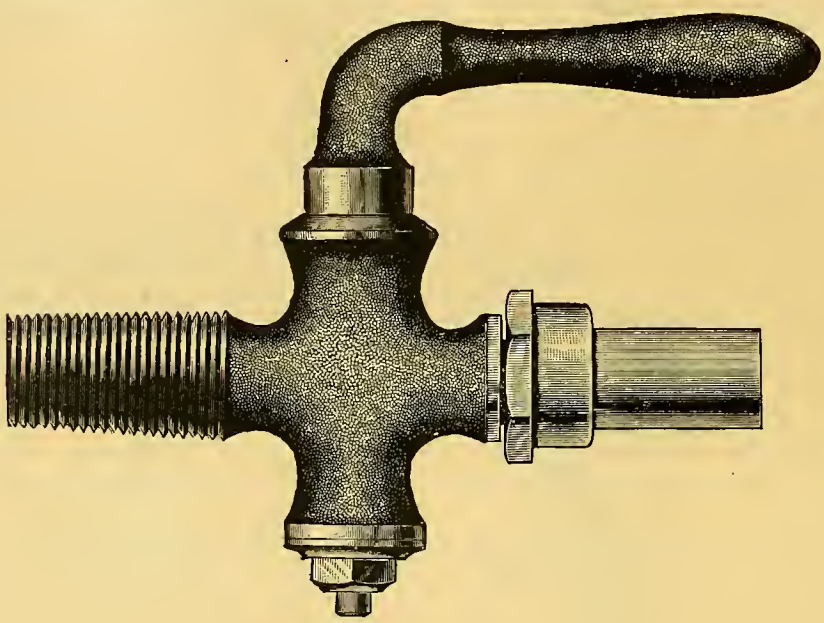


A—14.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$19.00 Acquisitive.	23.00 Acquisitor.	29.00 Acquaintant.	42.00 Acquiescent

ROUGH STOPS.

SCREWED FOR WOOD WITH PLAIN COUPLING.

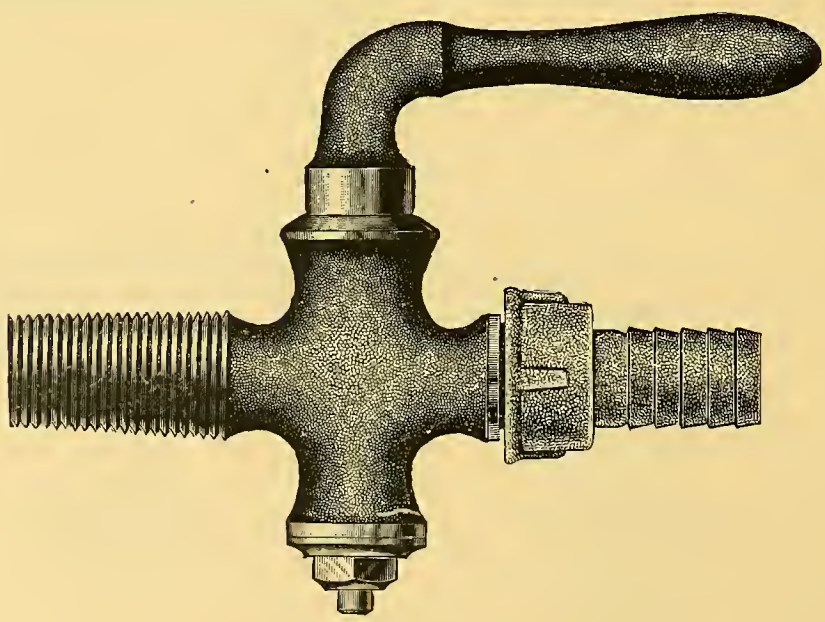


A—15.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$17.00 Acquiry.	21.00 Acrase.	27.00 Acquist.	38.00 Acreage.

ROUGH STOPS.

SCREWED FOR WOOD WITH HOSE COUPLING.

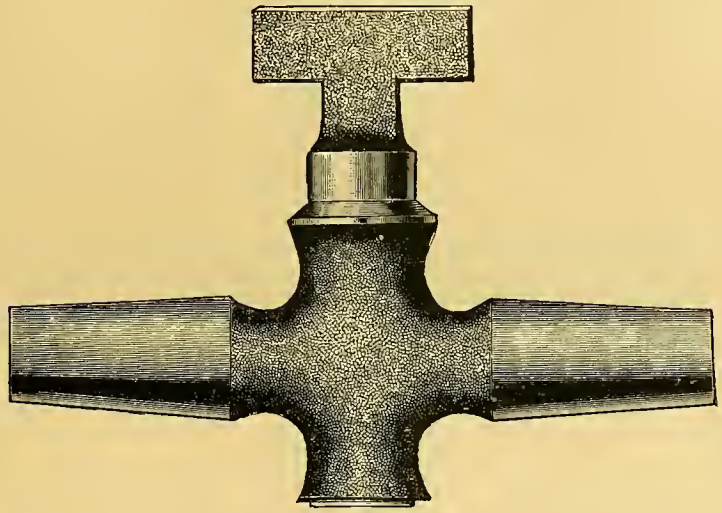


A—16.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$16.00 Acritical.	20.00 Acrity.	25.00 Acroatic.	36.00 Acrogen.	60.00 Acroleine.	90.00 Acrolith.	180.00 Acromial.

ROUGH STOPS.

"T" HANDLE, RIVET.

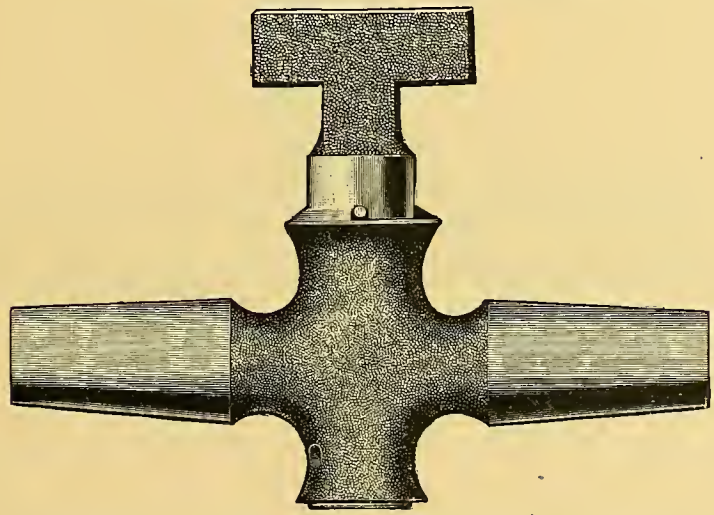


A—17.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$8.50 Acquiesce.	11.50 Acquirable.	14.50 Acquire.	18.50 Acquit.	27.00 Acquittal.

ROUGH STOP AND WASTE.

"T" HANDLE, RIVET, CHICAGO PATTERN.

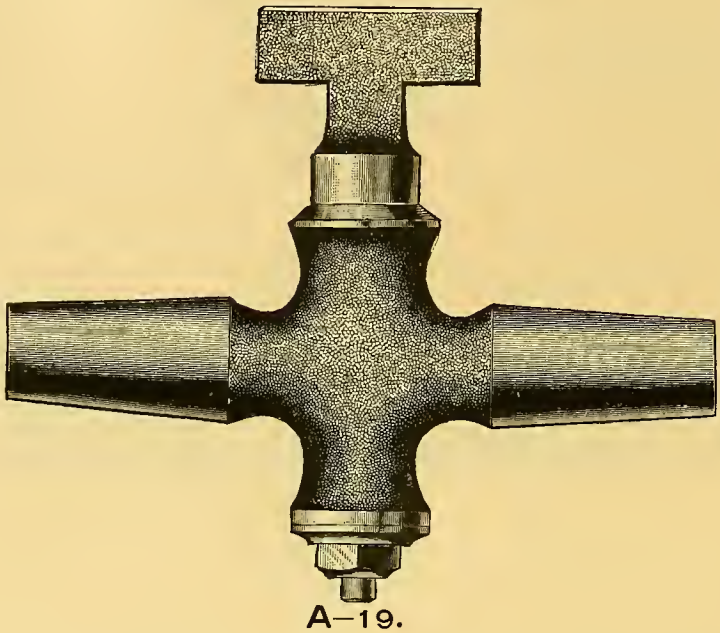


A—18.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$9.50 Acrene.	12.50 Acre.	15.50 Acrid.	20.00 Acrimony.	29.00 Acritude.

ROUGH STOPS.

"T" HANDLE, NUT AND WASHER.



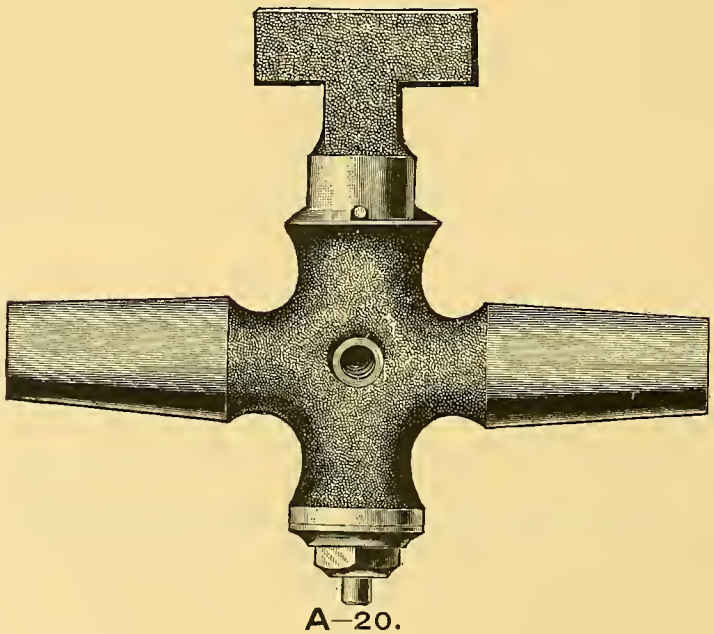
A—19.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$9.00	12.00	15.00	19.00	28.00	46.00	64.00	110.00
	Acronical.	Acropolis.	Across.	Acrostic.	Act.	Acting.	Action.	Active.

2½, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

"T" HANDLE, NUT AND WASHER.



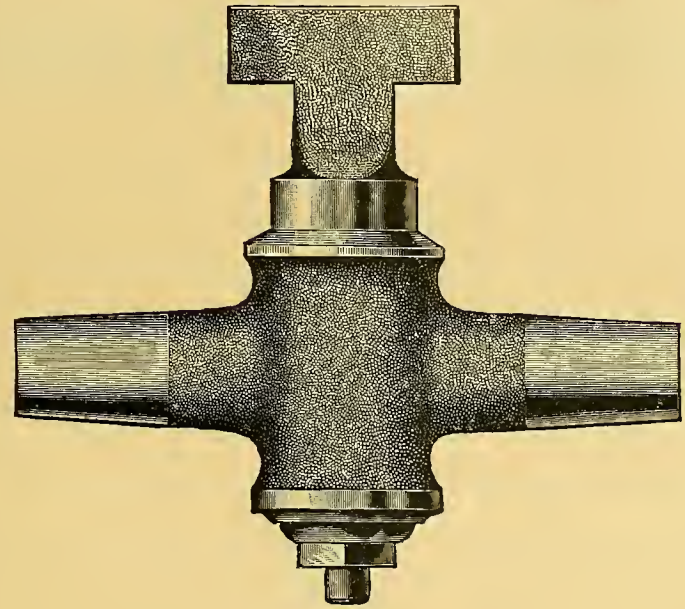
A—20.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$10.00	13.00	16.00	20.50	30.00	49.00	68.00	120.00
	Activity.	Actor.	Actress.	Actual.	Actually.	Actuary.	Actuate.	Aculeate.

2½, 3 and 4 inch made to order.

ROUGH STOPS.

"T" HANDLE, ROUND WAY, NUT AND WASHER.

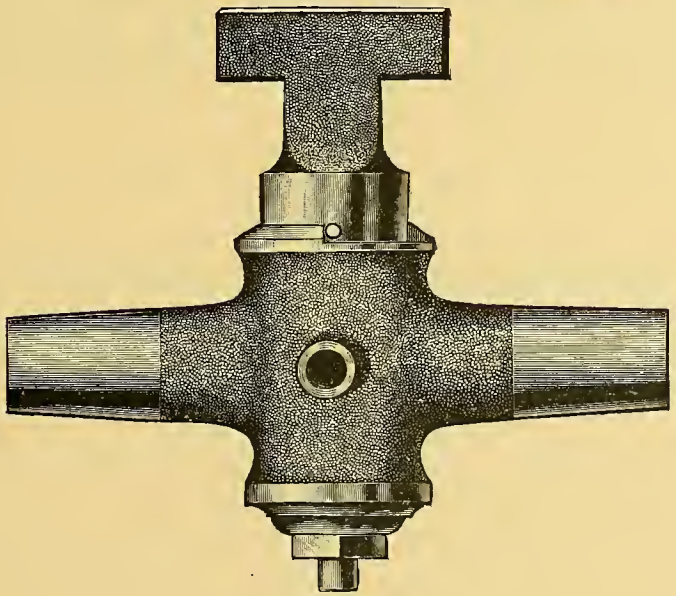


A–21.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$17.00	20.00	25.00	44.00	70.00	100.00	180.00
	Acuminate.	Acute.	Adage.	Adagio.	Adamant.	Adamic.	Adapt.

ROUGH STOP AND WASTE.

"T" HANDLE, ROUND WAY, NUT AND WASHER.

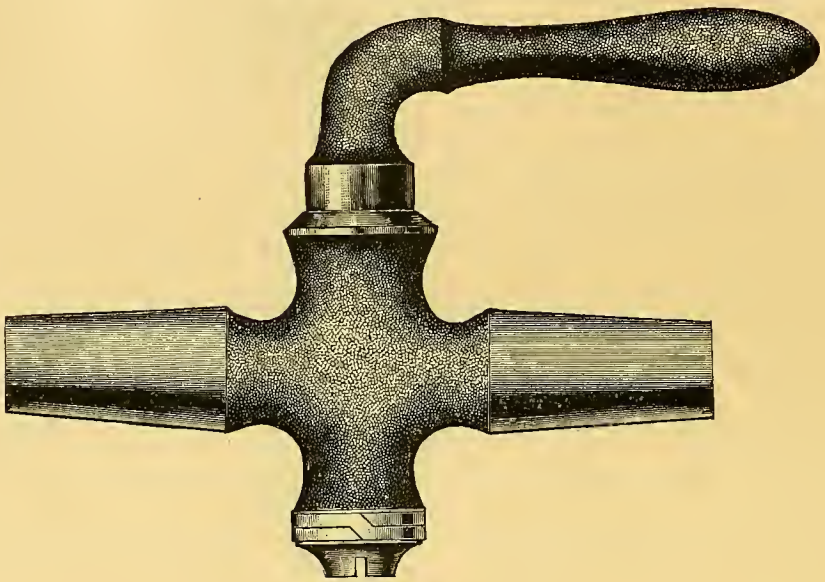


A–22.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.00	21.00	26.50	46.00	73.00	104.00	190.00
	Adaptation.	Add.	Adder.	Addict.	Addition.	Addle.	Addled.

ROUGH STOPS.

LEVER HANDLE.

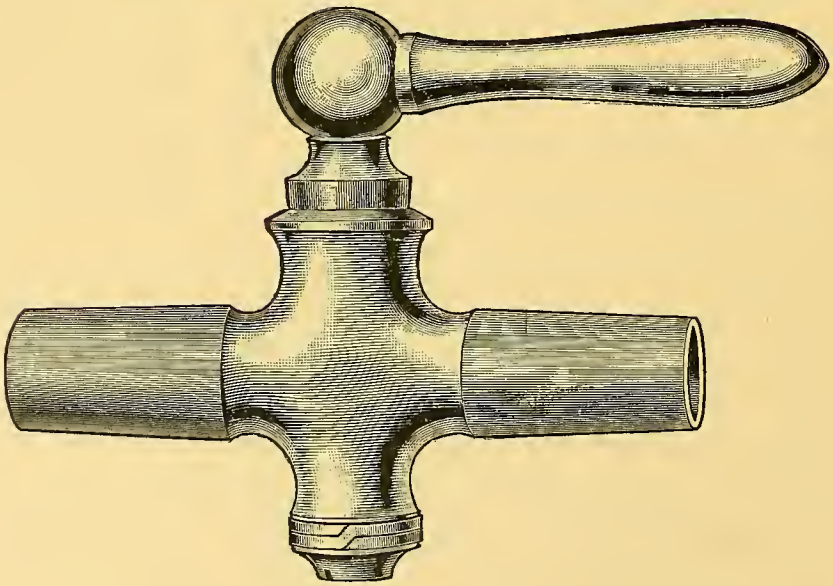


A—23.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$9.00 Adduce.	12.00 Adducent.	15.00 Adducible.	19.00 Adept.	28.00 Adequate.	46.00 Adhere.	64.00 Adherence.	110.00 Adherent.

PLAIN STOPS.

LEVER HANDLE, FINISHED OR PLATED.

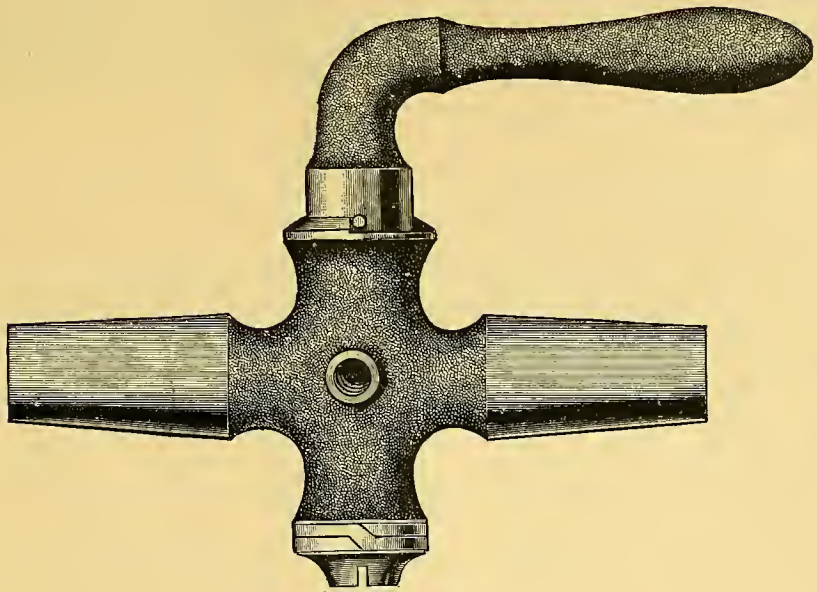


A—24.

Size,	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$10.50 Addoom.	12.50 Addorsed.	15.50 Addression.	18.50 Adducer.	25.00 Adduction.	37.00 Adductive.	62.00 Adductor.	86.00 Addulce.	175.00 Adeb.
Nickel Plated, per doz.,	$12.50 Adeling.	14.50 Adelite.	18.00 Adelphi.	21.00 Adempt.	27.50 Ademption.	40.00 Aden.			

ROUGH STOP AND WASTE.

LEVER HANDLE.

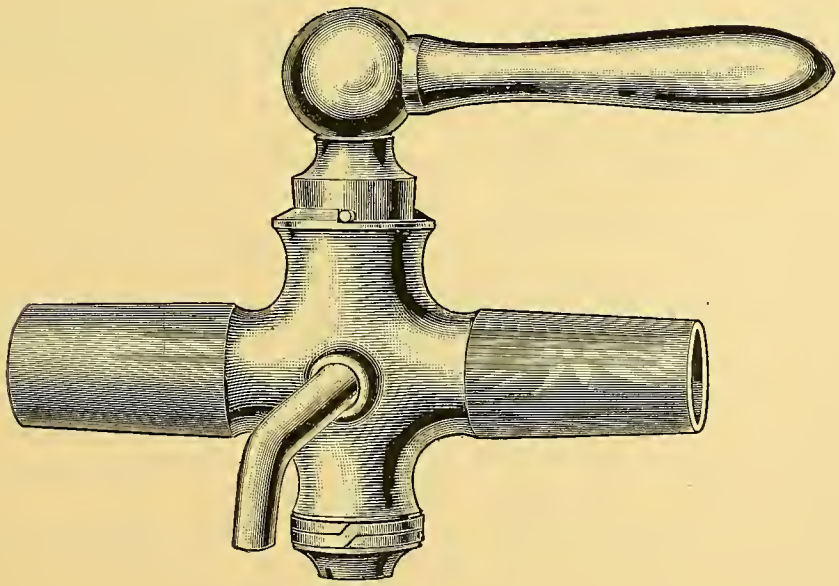


A—25.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$10.00 Adhesive.	13.00 Adieu.	16.00 Adipocere.	20.50 Adit.	30.00 Adjacency.	49.00 Adjacent.	68.00 Adjective.	120.00 Adjoin.

SHOWER STOPS.

FINISHED OR PLATED.

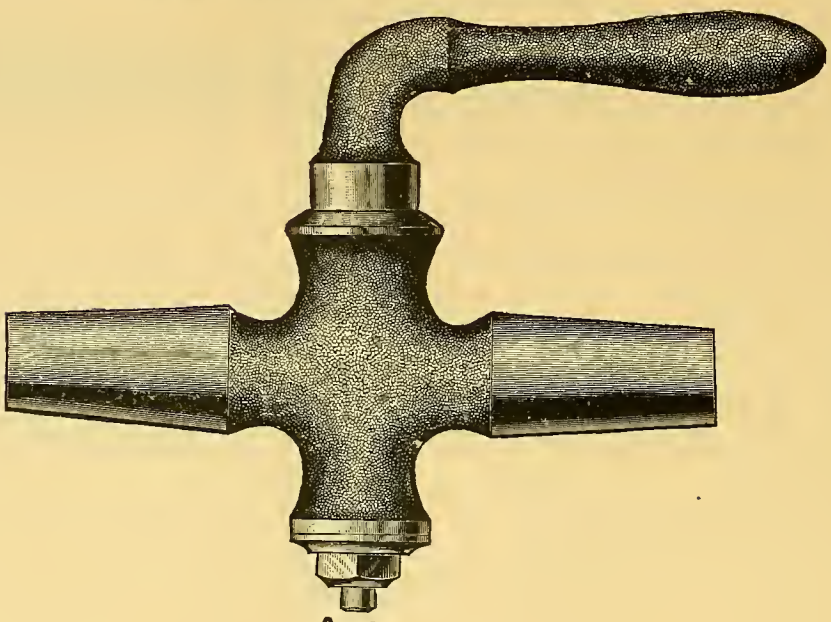


A—26.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$14.00 Adeptist.	17.00 Adequacy.	20.00 Adipic.	27.00 Adhibit.	40.00 Adipose.
Nickel Plated, per doz.,	$16.00 Adipsy.	19.50 Adition.	22.50 Adject.	29.50 Adjudicate.	43.00 Adjute.

ROUGH STOPS.

LEVER HANDLE, NUT AND WASHER.



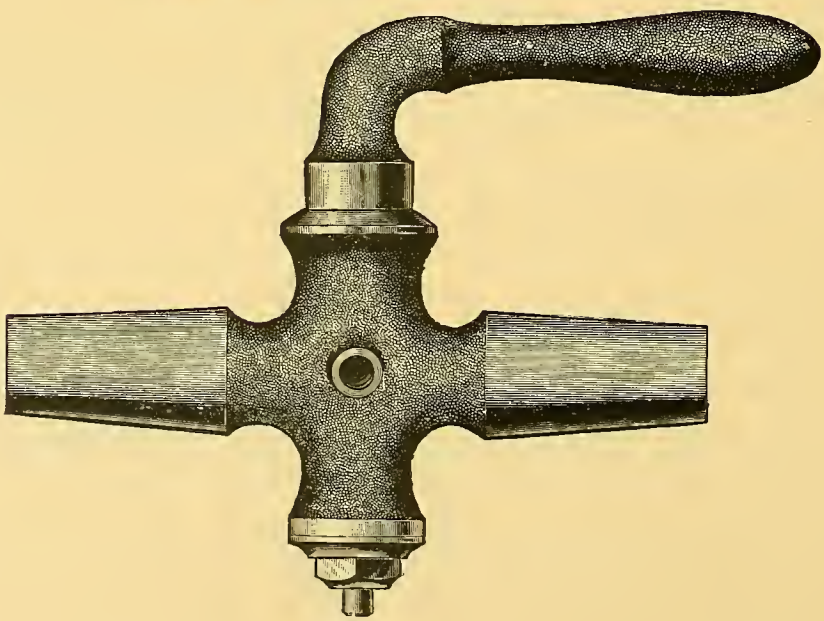
A–27.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$9.00	12.00	15.00	19.00	28.00	46.00	64.00	110.00
	Adjourn.	Adjudge.	Adjump.	Adjunct.	Adjure.	Adjust.	Adjutant.	Adjutor.

2½, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

LEVER HANDLE, NUT AND WASHER.



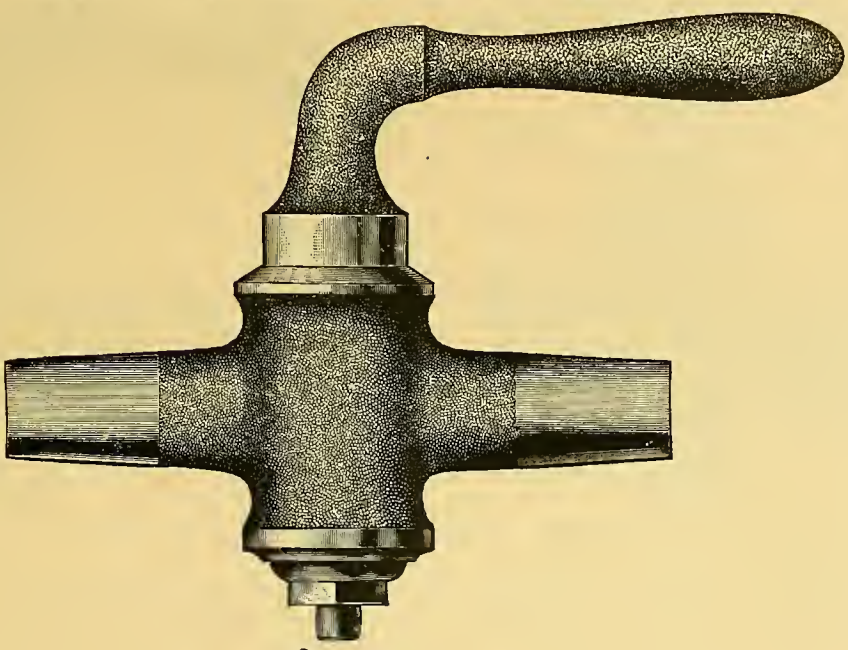
A–28.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$10.00	13.00	16.00	20.50	30.00	49.00	68.00	120.00
	Admirable.	Admirably.	Admiral.	Admiralty.	Admiration.	Admire.	Admirer	Admissible.

2½, 3 and 4 inch made to order.

ROUGH STOPS.

LEVER HANDLE, ROUND WAY, NUT AND WASHER.

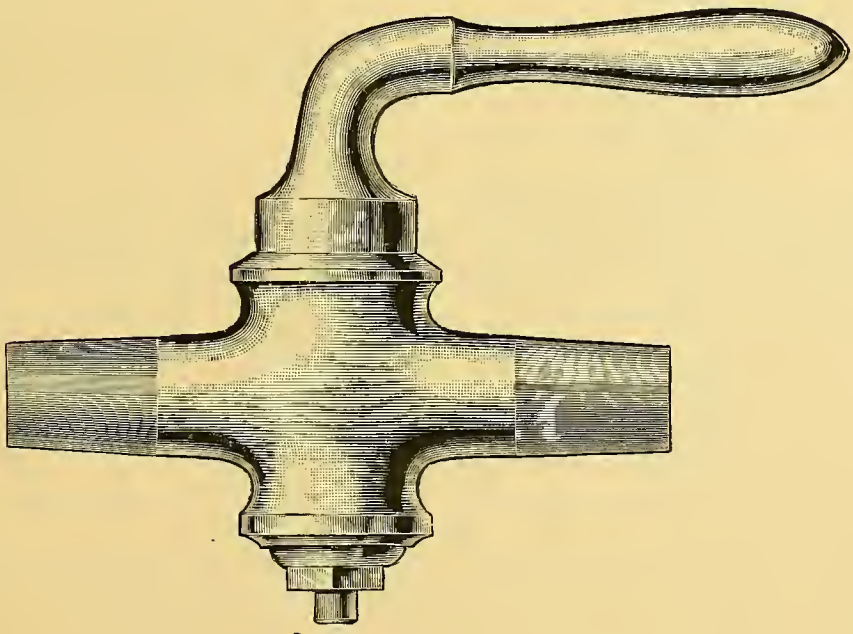


A—29.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$17.00 Admit.	20.00 Admix.	25.00 Admonish.	44.00 Admonisher.	70.00 Admonitor.	100.00 Adnoun.	180.00 Ado.

FINISHED STOPS.

LEVER HANDLE, ROUND WAY, NUT AND WASHER.

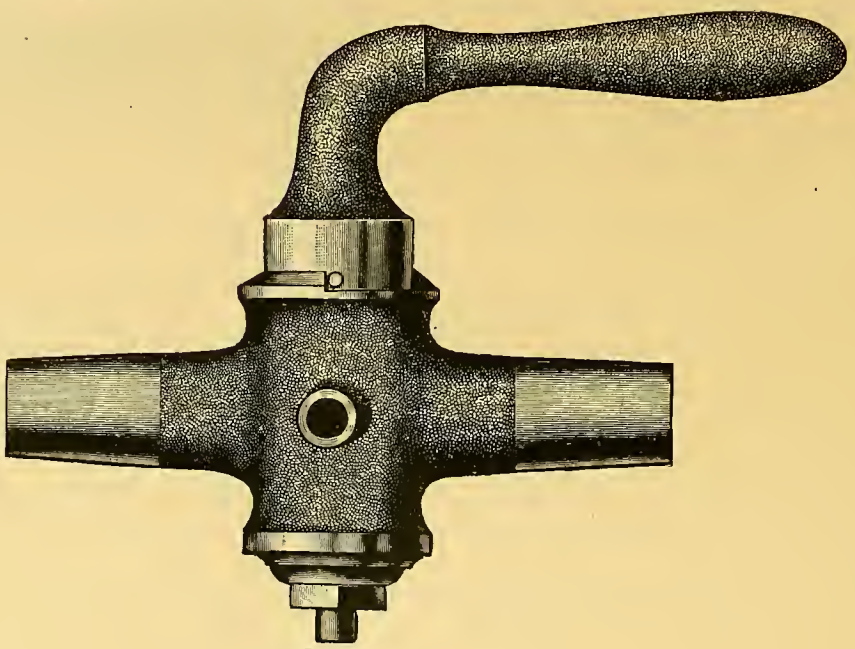


A—30

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$21.50 Adnate.	24.50 Adobe.	32.00 Adscript.	56.00 Adsignify.
Nickel Plated, per doz.,	$25.00 Adulator.	28.00 Adunque.	36.00 Adulted.	60.00 Advene

ROUGH STOP AND WASTE.

LEVER HANDLE, ROUND WAY, NUT AND WASHER.

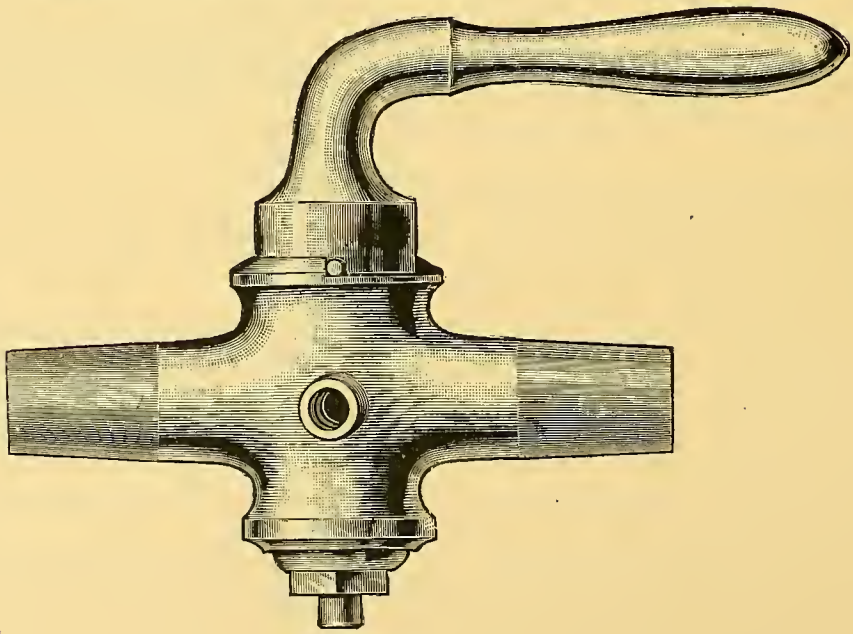


A—31.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.00 Adoption.	21.00 Adoptive.	26.50 Adorable.	46.00 Adoration.	73.00 Adore.	104.00 Adorer.	190.00 Adorn.

FINISHED STOP AND WASTE.

LEVER HANDLE, ROUND WAY, NUT AND WASHER.

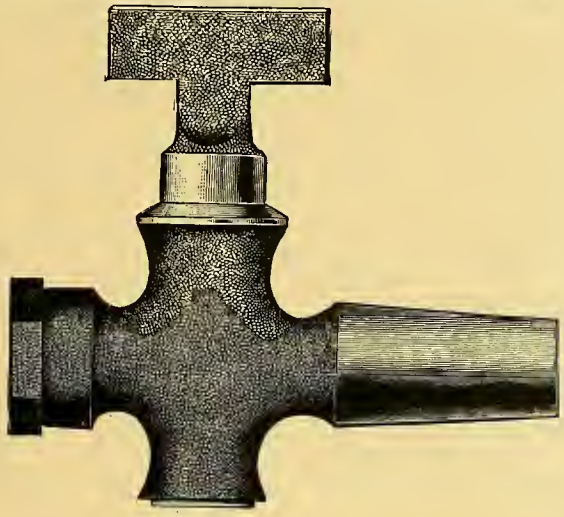


A—32.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$23.00 Adolescent.	26.00 Adonean.	34.00 Adonic.	59.00 Adonis.
Nickel Plated, per doz.,	$27.00 Adown.	30.00 Adread.	39.00 Adpressed.	64.00 Adream.

ROUGH STOPS.

"T" HANDLE, RIVET, FOR LEAD AND IRON PIPE.

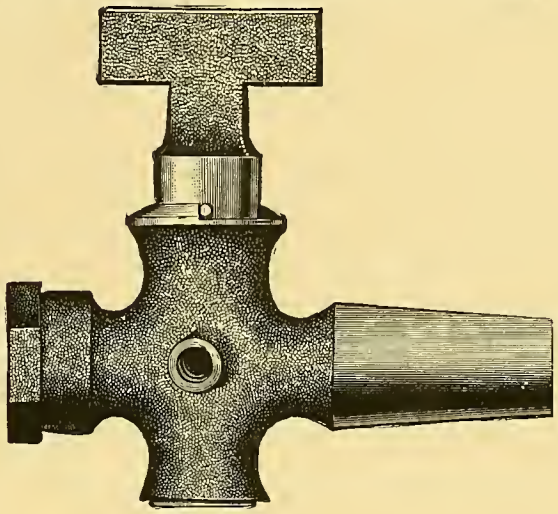


A—33.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$9.00	12.00	15.50	19.50	28.50
	Adrift.	Adroit.	Adroitly.	Adry.	Adulation.

ROUGH STOP AND WASTE.

"T" HANDLE, RIVET, FOR LEAD AND IRON PIPE.



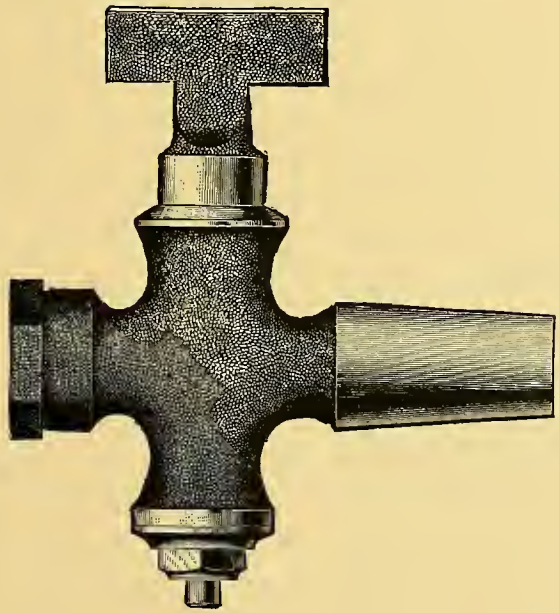
A—34.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$10.00	13.00	16.50	21.00	30.50
	Advance.	Advantage.	Advent.	Adventual.	Adventure

NOTE—Unless otherwise ordered, **A-34 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

"T" HANDLE, NUT AND WASHER, FOR LEAD AND IRON PIPE.

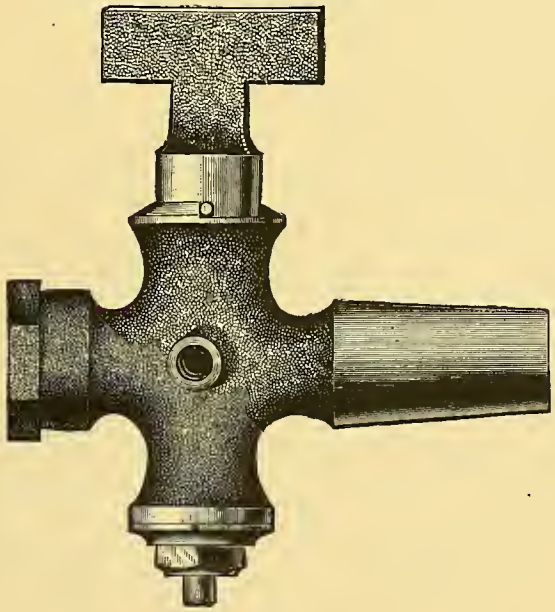


A—35

Size,	3/8	1/2	5/8	3/4 in.
Per doz.,	$9.50	12.50	16.00	20.00
	Adverse.	Adversely.	Adversity.	Advert.
Size,	1	1 1/4	1 1/2	2 in.
Per doz.,	$29.50	48.00	67.00	115.00
	Advertent.	Advertise.	Advertiser.	Advice.

ROUGH STOP AND WASTE.

"T" HANDLE, NUT AND WASHER, FOR LEAD AND IRON PIPE.



A—36.

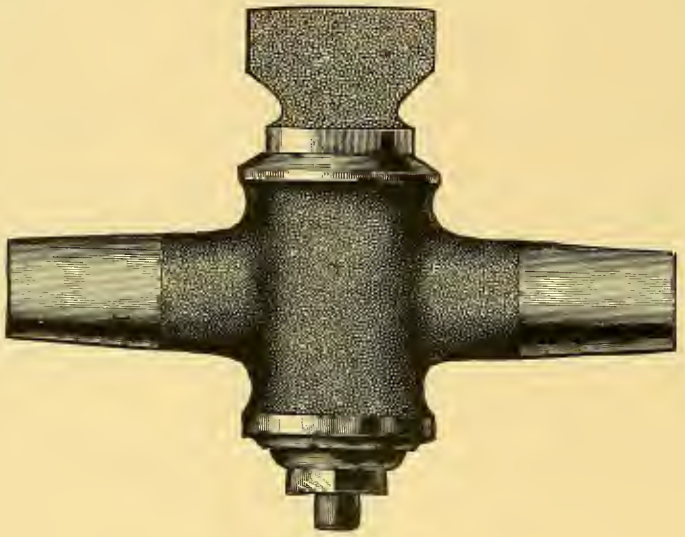
Size,	3/8	1/2	5/8	3/4 in.
Per doz.,	$10.50	13.50	17.00	21.50
	Advisory.	Advocacy.	Advocate.	Advocation.
Size,	1	1 1/4	1 1/2	2 in.
Per doz.,	$31.50	51.00	71.00	125.00
	Advower.	Advowson.	Advum.	Adze.

2½, 3 and 4 inch made to order.

NOTE—Unless otherwise ordered, **A-36 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

"T" HANDLE, ROUND WAY NUT AND WASHER FOR LEAD PIPE.

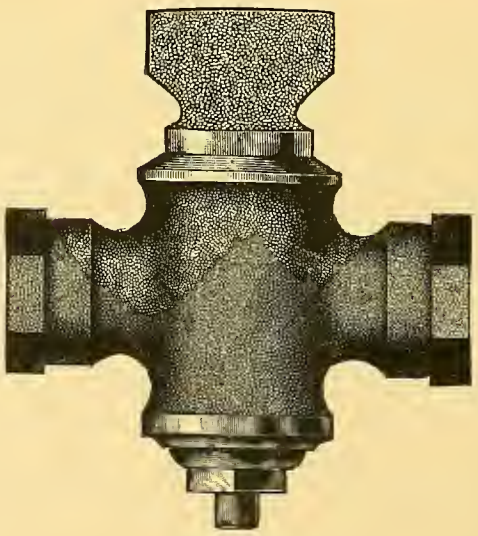


A—37.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$17.00	20.00	25.00	44.00	70.00	100.00	180.00
	Aeon.	Aeneid.	Aegis.	Aeolian.	Aelepile.	Aeolist.	Aerate.

ROUGH STOPS.

"T" HANDLE, ROUND WAY, NUT AND WASHER FOR IRON PIPE.

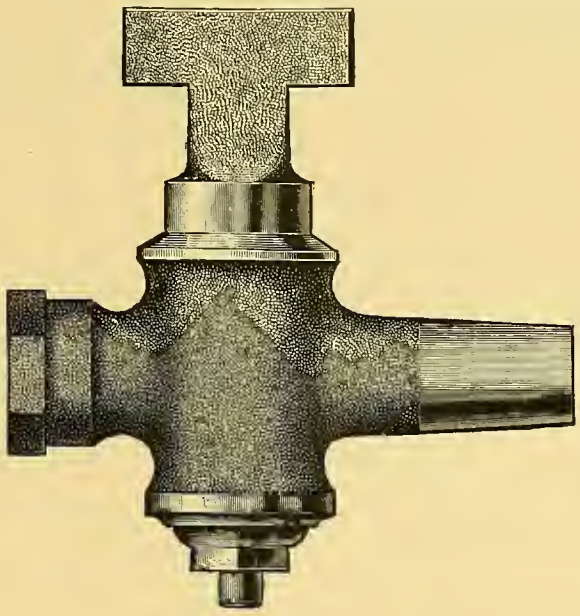


A—38.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.00	22.00	27.00	47.00	74.00	106.00	190.00
	Aerian.	Aerify.	Aerolite.	Aerolith.	Aerometer.	Aerosite.	Aerogo.

ROUGH STOPS.

"T" HANDLE, ROUND WAY, NUT AND WASHER, FOR LEAD AND IRON PIPE.

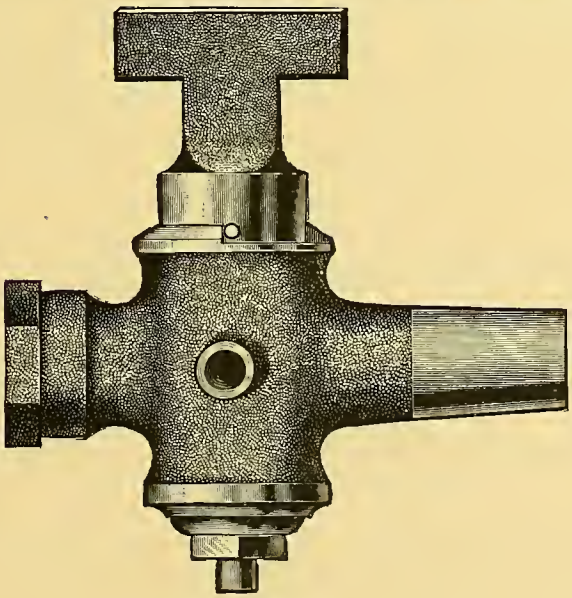


A—39.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$17.50	21.00	26.00	45.50	72.00	103.00	185.00
	Aerie.	Aeriform.	Acrify.	Aeriolite.	Aeronaut.	Afar.	Afeard.

ROUGH STOP AND WASTE.

"T" HANDLE, ROUND WAY, NUT AND WASHER, FOR LEAD AND IRON PIPE.



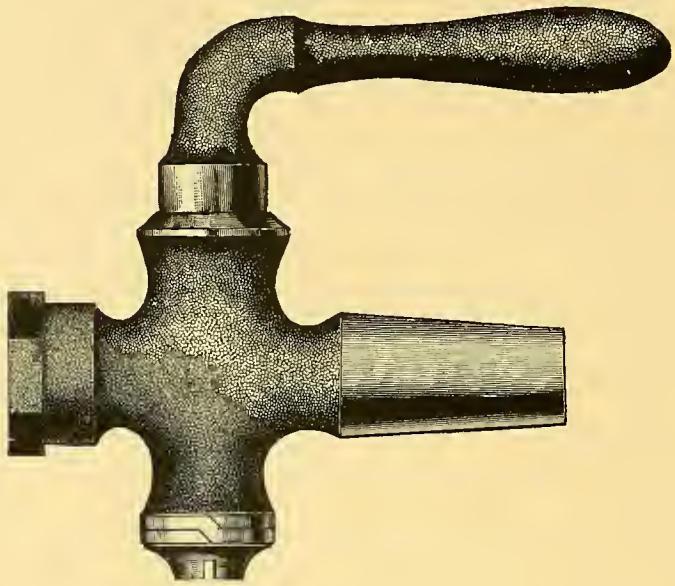
A—40.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.50	22.00	27.50	47.50	75.00	107.00	195.00
	Affair.	Affect.	Affected.	Affection.	Affective.	Affiance.	Affiant

NOTE—Unless otherwise ordered, **A-40 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

LEVER HANDLE, FOR LEAD AND IRON PIPE.

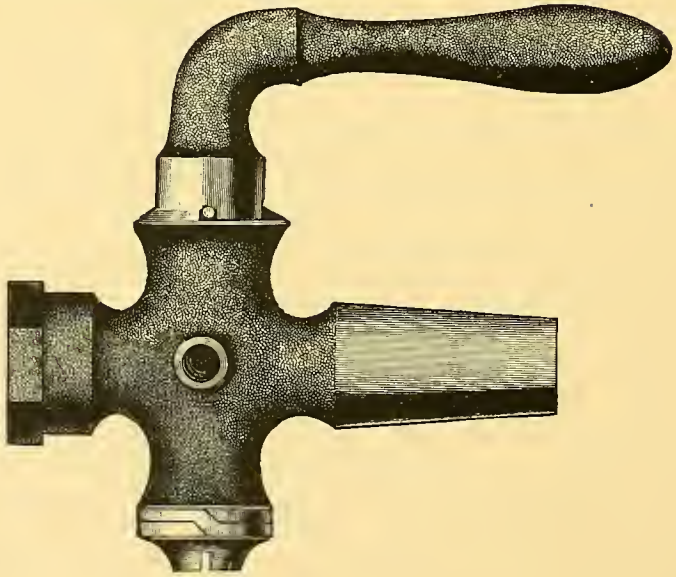


A–41.

Size,	3/8	1/2	5/8	3/4	1
Per doz.,	$9.50 Affiliate.	12.50 Affinity.	16.00 Affirm.	20.00 Affirmaut.	29.50 Affix.

ROUGH STOP AND WASTE.

LEVER HANDLE, FOR LEAD AND IRON PIPE.



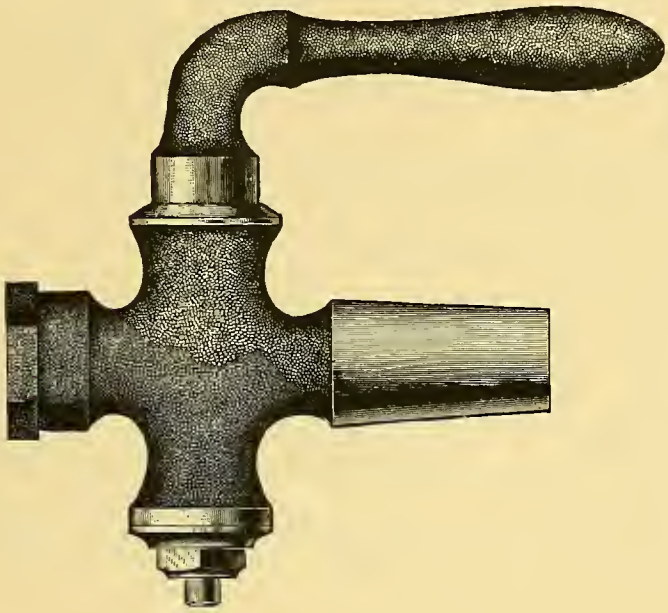
A–42.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$10.50 Affluence.	13.50 Affluent.	17.00 Afflux.	21.50 Afford.	31.50 Affray.

NOTE—Unless otherwise ordered, **A–42 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

LEVER HANDLE, NUT AND WASHER, FOR LEAD AND IRON PIPE.



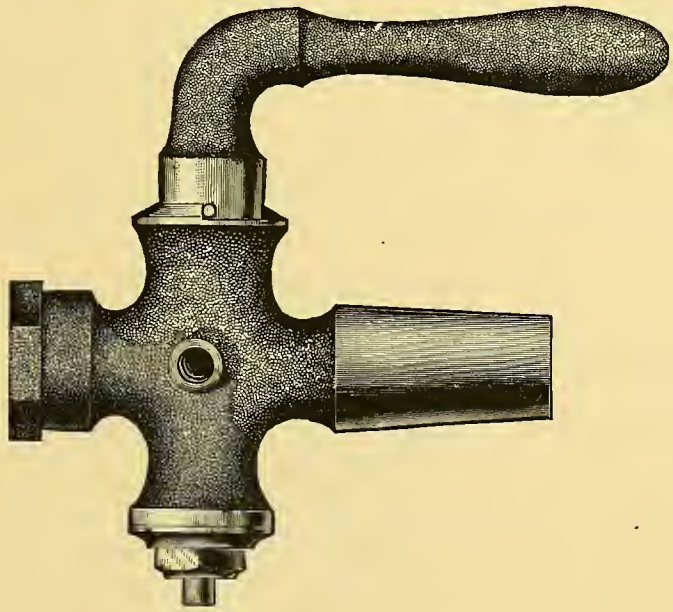
A—43.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz,	$9 50 Afloat.	12.50 Afoot.	16.00 Afore.	20.00 Afraid.	29 50 Afresh.	48 00 Aft.	67.00 After.	115.00 Aftermost.

2½, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

LEVER HANDLE. NUT AND WASHER, FOR LEAD AND IRON PIPE.



A—44.

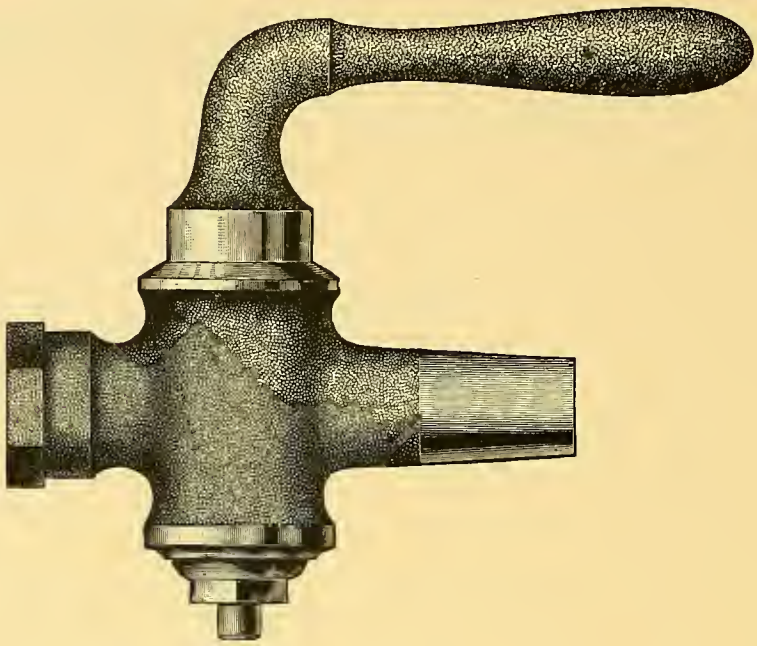
Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$10.50 Again.	13.50 Against.	17.00 Agape.	21.50 Agate.	31.50 Agave.	51.00 Age.	71.00 Agel.	125 00 Agency.

2½, 3 and 4 inch made to order.

NOTE—Unless otherwise ordered, **A—44 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR LEAD AND IRON PIPE.

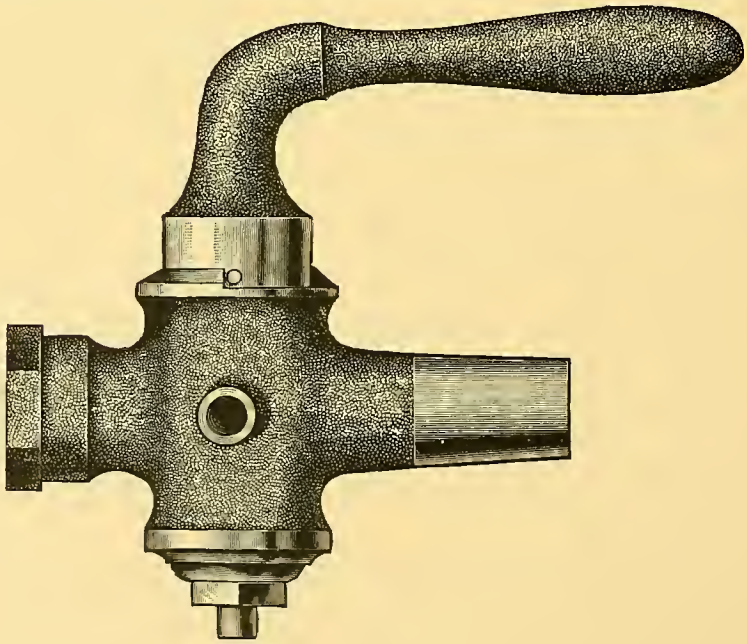


A–45.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$17.50 Aggrandize.	21.00 Aggregate.	26.00 Aggress.	45.50 Aggrieve.	72.00 Aghast.	103.00 Agile.	185.00 Agility.

ROUGH STOP AND WASTE.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR LEAD AND IRON PIPE.



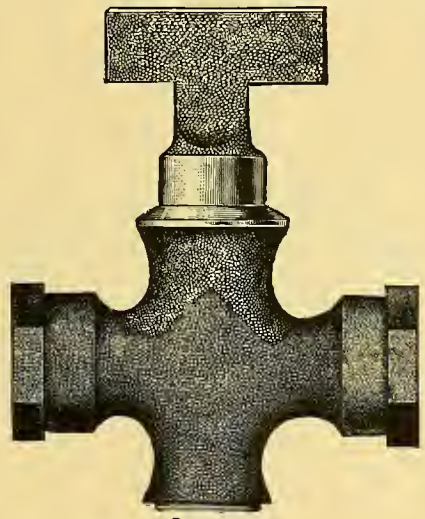
A–46.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.50 Agitate.	22.00 Agitator.	27.50 Aglet.	47.50 Agnail.	75.00 Agnate.	107.00 Agnation.	195.00 Agnomen.

NOTE—Unless otherwise ordered, **A–46 Stop and Waste** will always be furnished with **Waste on Lead Pipe End.**

ROUGH STOPS.

"T" HANDLE, RIVET, FOR IRON PIPE.

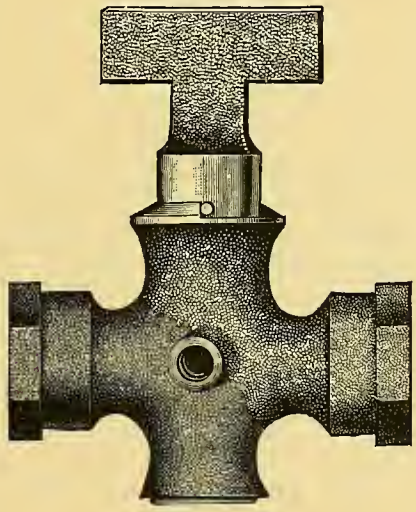


A—47.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$9.50 Agog.	12.50 Agoing.	16.50 Agone.	20.50 Agonism.	30.00 Agnostic.

ROUGH STOP AND WASTE.

"T" HANDLE, RIVET, FOR IRON PIPE.

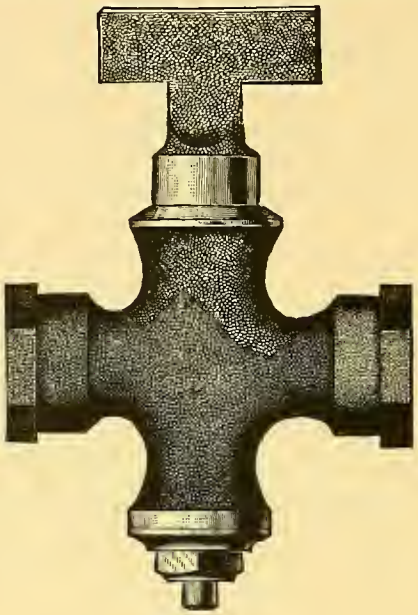


A—48.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$10.50 Agreeable.	13.50 Agrestic.	17.50 Aground.	22.00 Agne.	32.00 Aguish.

ROUGH STOPS.

"T" HANDLE, NUT AND WASHER, FOR IRON PIPE.



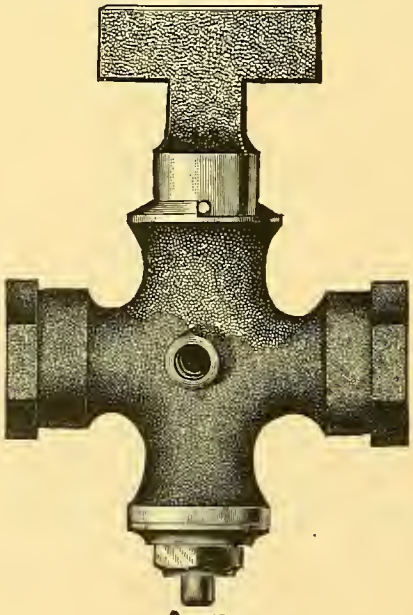
A—49.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$10.00 Aimless.	13.00 Air.	17.00 Airgun.	21.00 Airhole.	31.00 Airily.	50 00 Airless.	70.00 Aisle.	120.00 Akimbo.

2½, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

"T" HANDLE, NUT AND WASHER, FOR IRON PIPE.



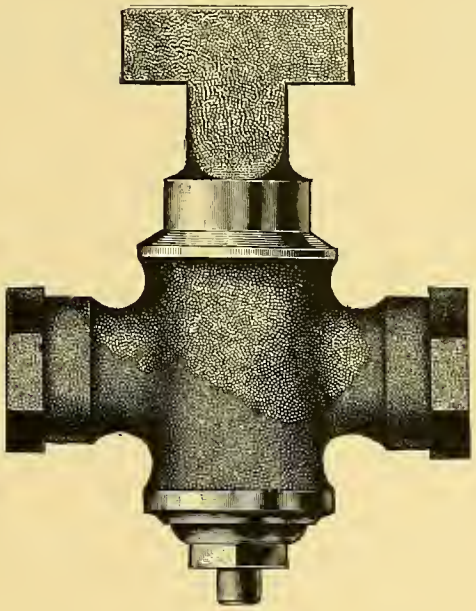
A—50.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$11.00 Alarm.	14.00 Alarming.	18.00 Alarmist.	22.50 Alas.	33.00 Albert.	53.00 Albino.	74.00 Album.	130.00 Albumen.

2½, 3 and 4 inch made to order.

ROUGH STOPS.

"T" HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

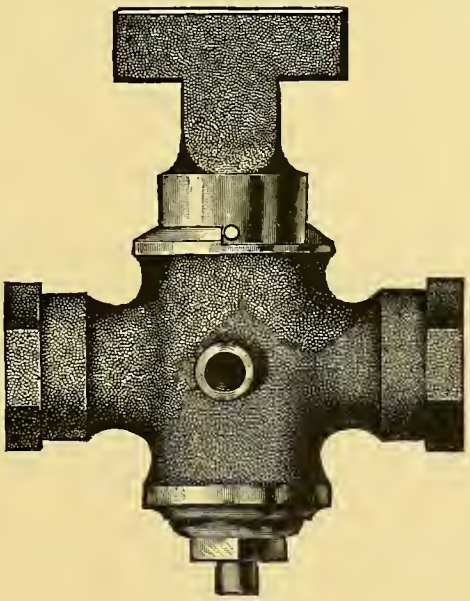


A—51.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$18.00 Alcohol.	22.00 Alcoram.	27.00 Alcove.	47.00 Alder.	74.00 Ale.	106.00 Alert.	190.00 Alertness

ROUGH STOP AND WASTE.

"T" HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

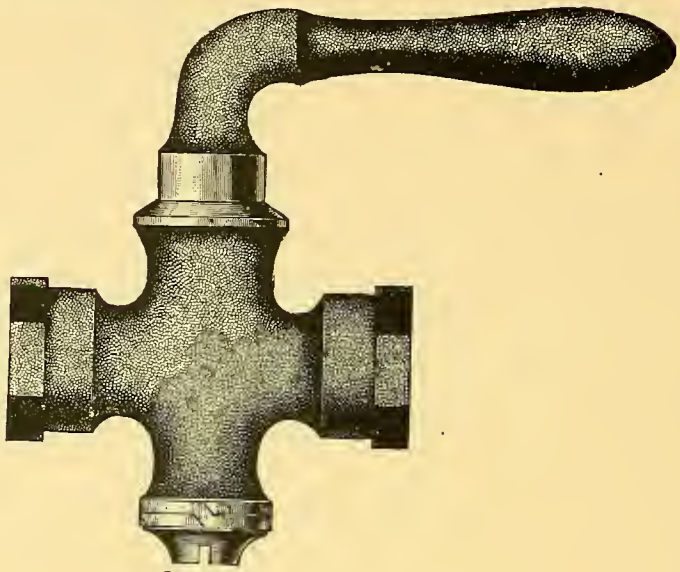


A—52.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$19.00 Algebraic.	23.00 Algerine.	28.50 Alias.	49.00 Alibi.	77.00 Alien.	110.00 Alienate.	200.00 Alight.

ROUGH STOPS.

LEVER HANDLE, FOR IRON PIPE.

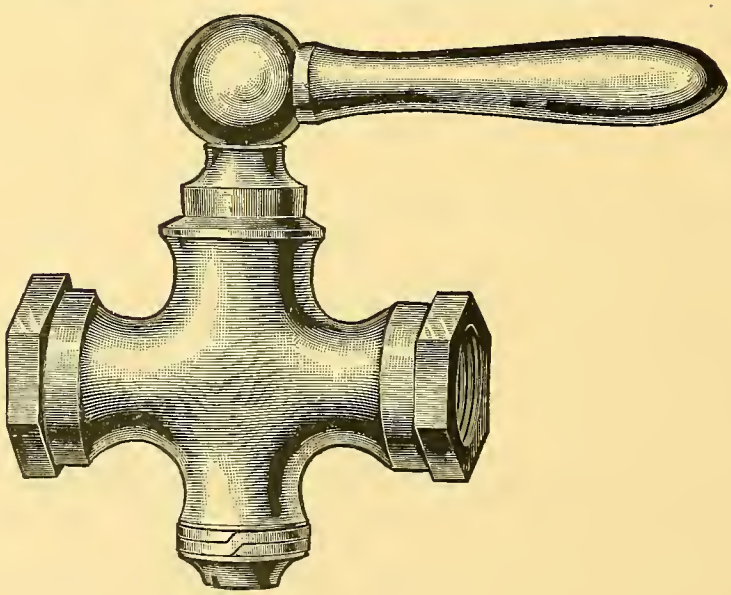


A—53.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$10.00 Ailment.	13.00 Alimony.	17.00 Aliquot.	21.00 Aliquant.	31.00 Alive.

PLAIN STOPS.

LEVER HANDLE, FOR IRON PIPE, FINISHED OR PLATED.

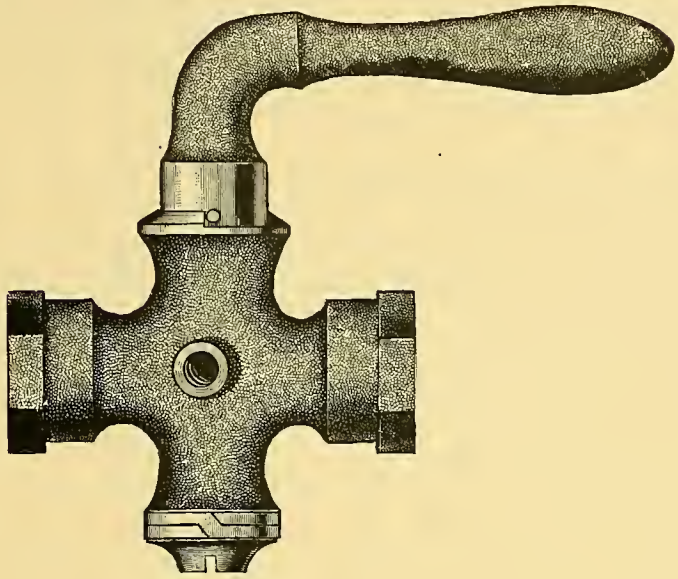


A—54.

Size,	1/4	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$11.50 Align.	13.50 Alignment.	16.50 Alike.	20.50 Alioth.	27.00 Aliped.	40 00 Alish.
Nickel Plated, per doz.,	$13.50 Alitruuk.	15.50 Alizarine.	19.00 Alkalify.	23.00 Alkaline.	29.50 Alkaloret.	43 00 Alkaloid.

ROUGH STOP AND WASTE.

LEVER HANDLE, FOR IRON PIPE.

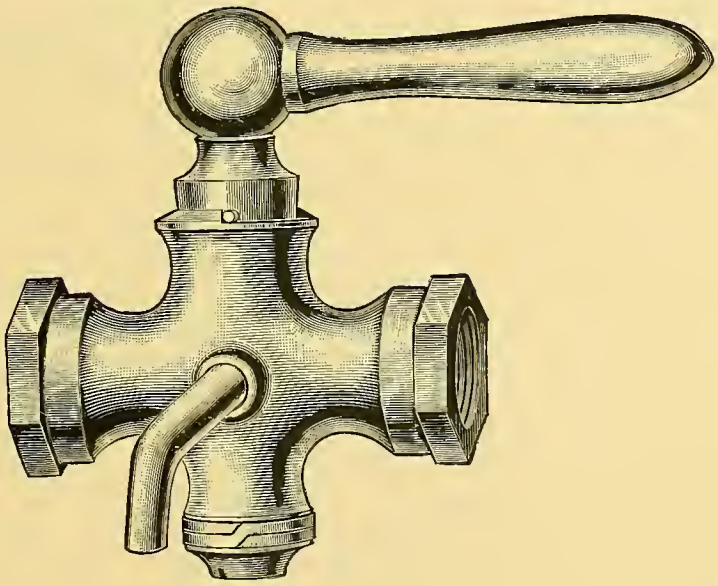


A–55.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$11 00 Allegory.	14.00 Allegro.	18.00 Alleviate.	22.50 Alley.	33.00 All-hail

SHOWER STOPS.

LEVER HANDLE, FOR IRON PIPE, FINISHED OR PLATED.

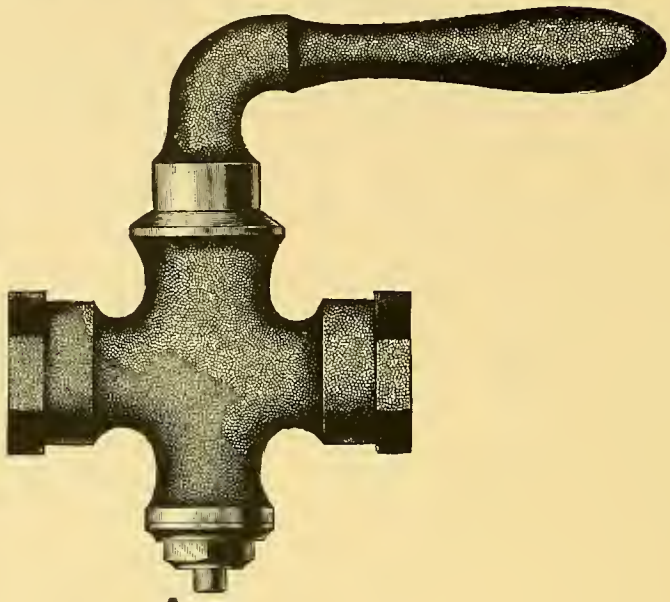


A–56.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$15.00 Allective.	18 00 Allegant.	22 00 Alleger.	29.00 Allegorist.	43.00 Allerion.
Nickel Plated, per doz.,	$17.00 Allfours.	20.50 Allloves.	24.50 Allocate.	31.50 Allodial.	46 00 Allodian

ROUGH STOPS.

LEVER HANDLE, NUT AND WASHER, FOR IRON PIPE.



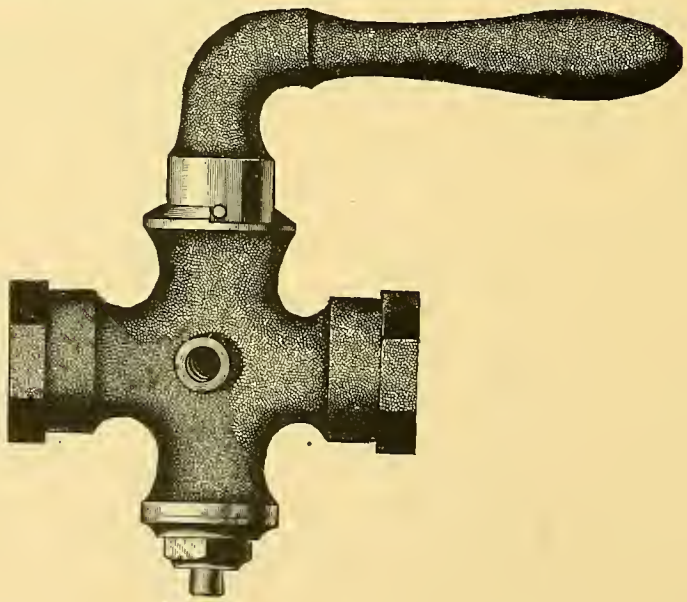
A–57.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$10.00	13.00	17.00	21.00	31.00	50.00	70.00	120.00
	Allotment.	Alow.	Allowable.	Allowance.	Alloy.	Alloyage.	Allspice.	Allude.

2½, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

LEVER HANDLE, NUT AND WASHER, FOR IRON PIPE.



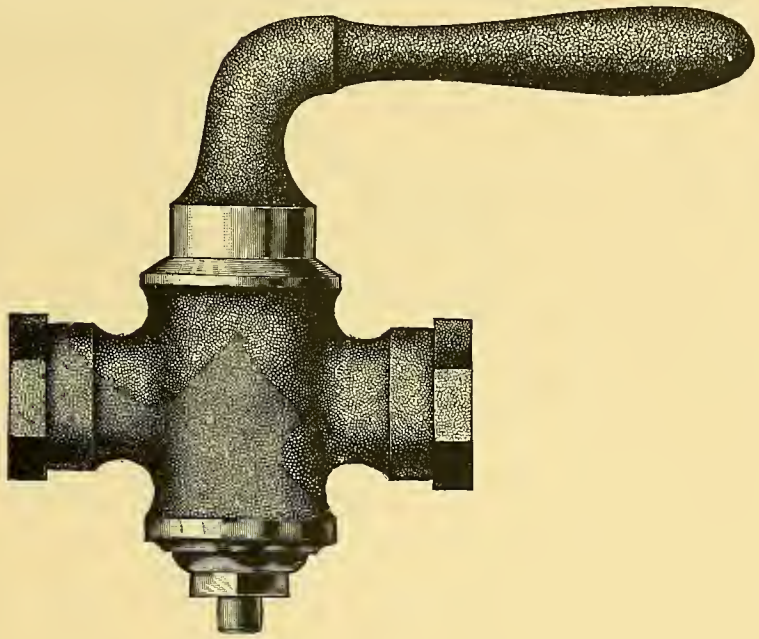
A–58.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$11.00	14.00	18.00	22.50	33.00	53.00	74.00	130.00
	Allusive.	Alluvial.	Alluvian.	Ally.	Almanac.	Almighty.	Almond.	Almoner.

2½, 3 and 4 inch made to order.

ROUGH STOPS.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

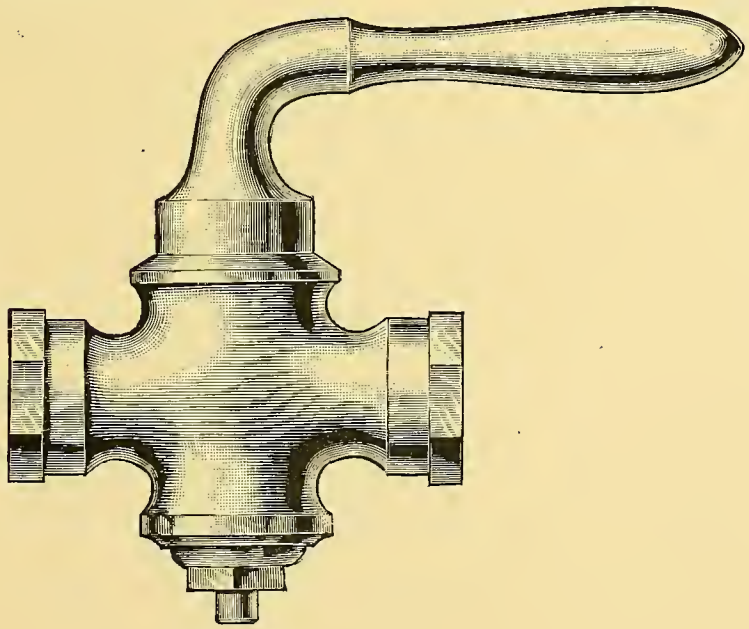


A—59.

Size,	½	⅝	¾	1	1¼	1½	2 in
Per doz.,	18.00 Aloetic.	22.00 Aloft.	27.00 Alone.	47.00 Along.	74.00 Aloof.	106.00 Aloud.	190.00 Alpaca.

FINISHED STOPS.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

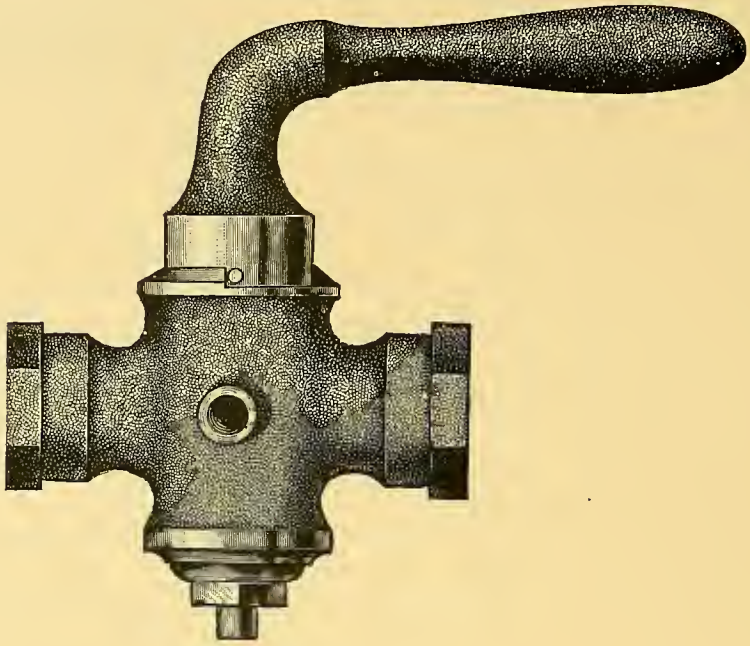


A—60.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$23.00 Alphenic.	27.00 Alquier.	35.00 Alt.	60.00 Altern.
Nickel Plated, per doz.,	$27.00 Altin.	31.00 Allot.	40.00 Alloo.	65.50 Allonge.

ROUGH STOP AND WASTE.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

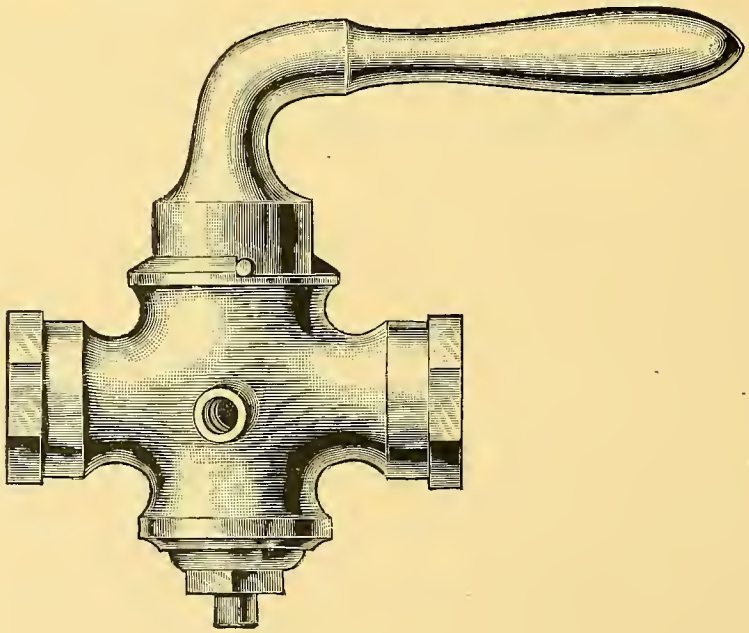


A—61.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Per doz.,	$19.00 Alpbabet.	23.00 Alphabetic.	28.50 Alpine.	49.00 Already.	77.00 Also.	110.00 Altar.	200.00 Alterant

FINISHED STOP AND WASTE.

LEVER HANDLE, ROUND WAY, NUT AND WASHER, FOR IRON PIPE.

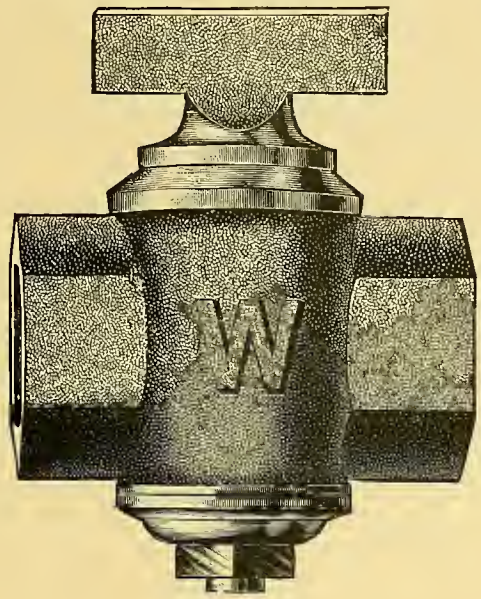


A—62.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$24.50 Allure.	28.50 Alveus.	37.50 Am.	63.50 Amadou.
Nickel Plated, per doz.,	$29.00 Amad.	33.00 Amate.	43.50 Amb.	70.00 Amber.

ROUGH STOPS, "W" PATTERN.

"T" HANDLE, ROUND WAY, FOR IRON PIPE.

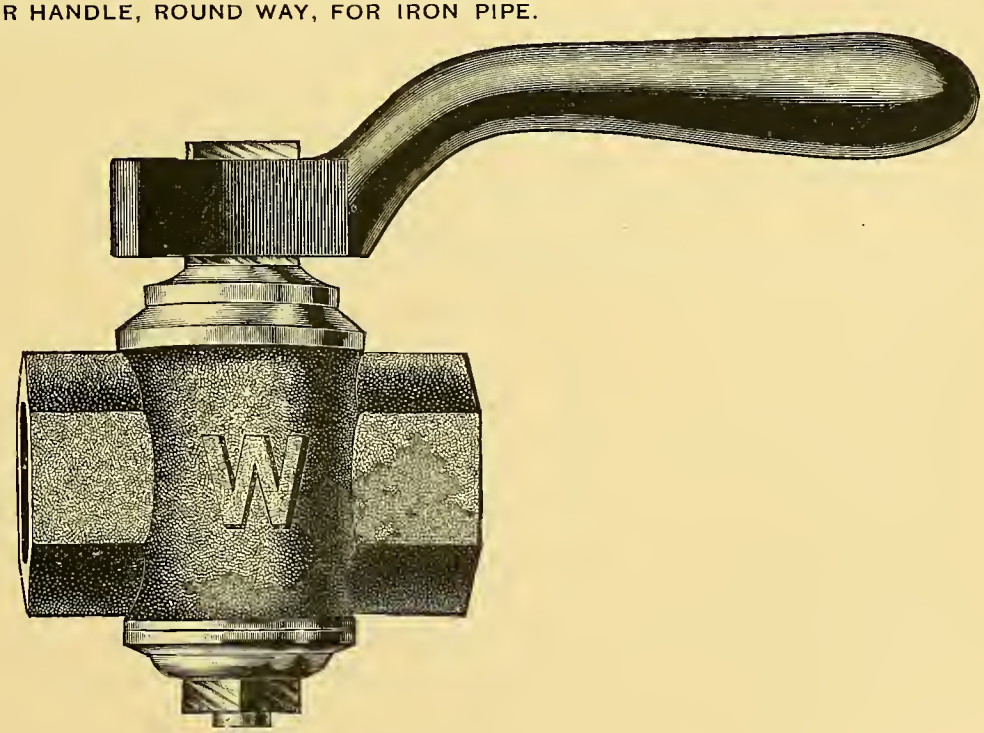


A—63.

Size,	½	¾	1 in.
Per doz.,	$12.00 Alteration.	18.00 Alternate.	30.00 Althea.
Per doz., with Tube Waste and Stop on Key,	$13.00 Although.	19.50 Altitude.	32.00 Alto.

ROUGH STOPS, "W" PATTERN.

LEVER HANDLE, ROUND WAY, FOR IRON PIPE.

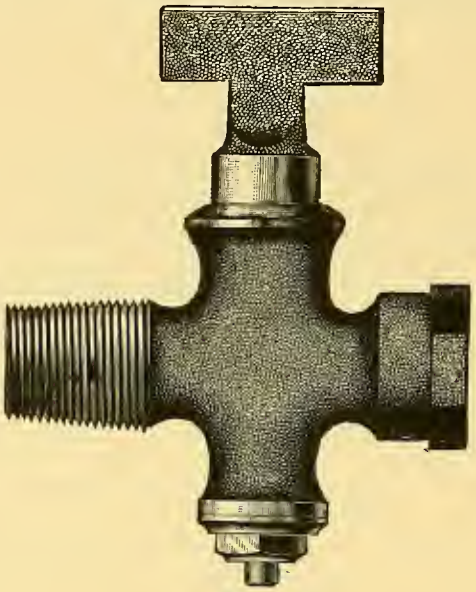


A—64.

Size,	½	¾	1 in.
Per doz.,	$12.00 Aludel.	18.00 Alumusis.	30.00 Alveolate.
Per doz., with Tube Waste and Stop on Key,	$13.00 Alvine.	19.50 Amain.	32.00 Amalgam.

ROUGH STOPS.

"T" HANDLE, NUT AND WASHER, INSIDE AND OUTSIDE, FOR IRON PIPE.

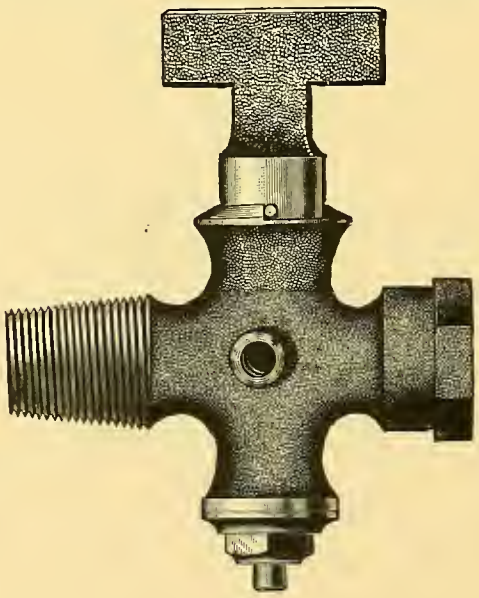


A–65.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$9.50	12.50	16.00	20.00	29.50	48.00	67.00	115.00
	Amass.	Amateur.	Ambages.	Amaze.	Amazon.	Ambient.	Ambiguity.	Ambigious.

ROUGH STOP AND WASTE.

"T" HANDLE, NUT AND WASHER, INSIDE AND OUTSIDE, FOR IRON PIPE.



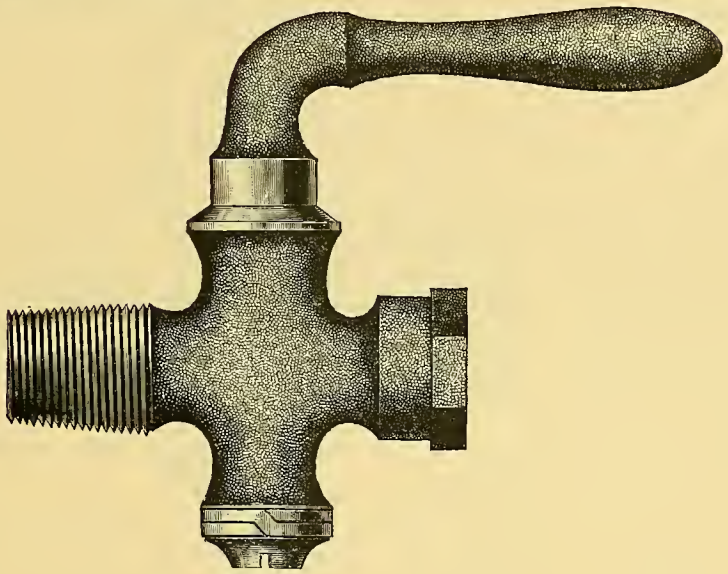
A–66.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$10.50	13.50	17.00	21.50	31.50	51.00	71.00	125.00
	Ambition.	Amble.	Ambrosia.	Ambulance.	Ambush.	Ameliorate.	Amendable.	Amend.

NOTE—**A–66** will always be furnished with **Waste on Male End,** unless otherwise ordered.

ROUGH STOPS.

LEVER HANDLE, INSIDE AND OUTSIDE, FOR IRON PIPE.

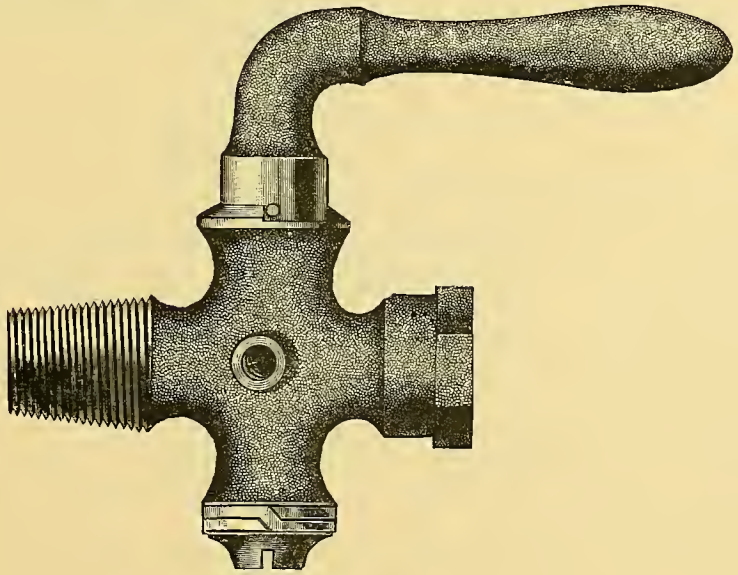


A—67.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$9.50 Amerce.	12.50 Amethyst.	16.00 Amiable.	20.00 Amicable.	29.50 Amid.

ROUGH STOP AND WASTE.

LEVER HANDLE, INSIDE AND OUTSIDE, FOR IRON PIPE.



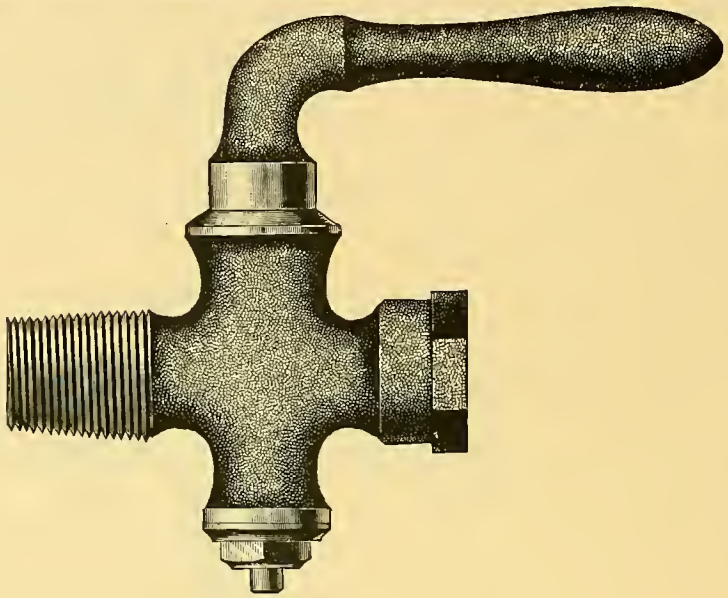
A—68.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$10.50 Among.	13.50 Amoroso.	17.00 Ambon.	21.50 Amorphous.	31.50 Amount.

NOTE—**A-68** will always be furnished with **Waste on Male End,** unless otherwise ordered.

ROUGH STOPS.

LEVER HANDLE, NUT AND WASHER, INSIDE AND OUTSIDE, FOR IRON PIPE.



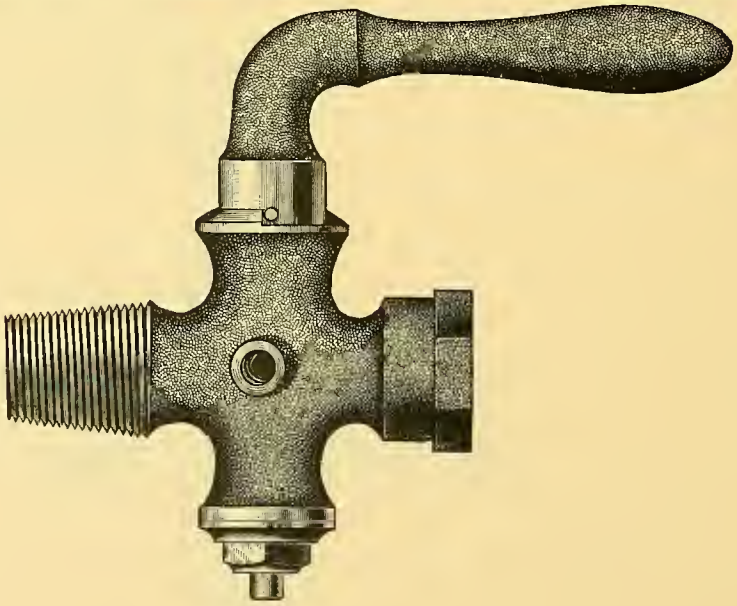
A—69.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$9.50 Amputate.	12.50 Amulet.	16.00 Amuse.	20.00 Amusing.	29.50 Amusive.	48.00 Anaconda.	67.00 Anagram.	115.00 Analeptic.

2 1/2, 3 and 4 inch made to order.

ROUGH STOP AND WASTE.

LEVER HANDLE, NUT AND WASHER, INSIDE AND OUTSIDE, FOR IRON PIPE.



A—70.

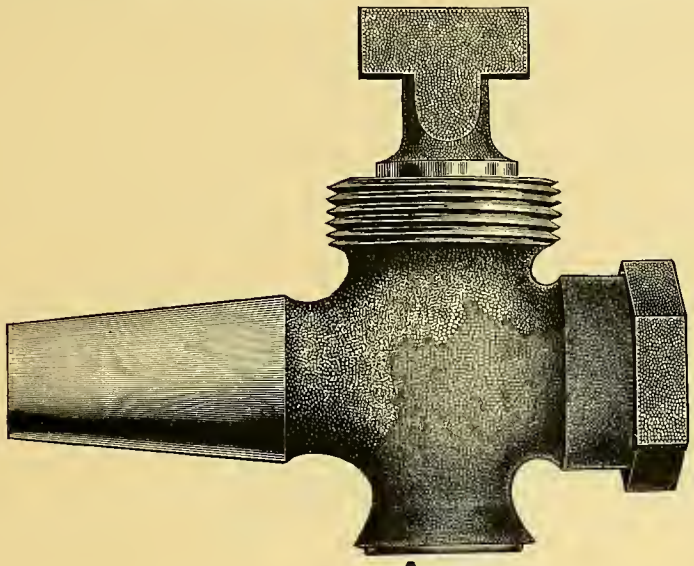
Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Per doz.,	$10.50 Analogy.	13.50 Analysis.	17.00 Analytic.	21.50 Analyze.	31.50 Anapest.	51.00 Anarachic.	71.00 Anathema.	125.00 Anatomist.

2 1/2, 3 and 4 inch made to order.

NOTE—**A-70** will always be sent with **Waste on Male End,** unless otherwise ordered.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, RIVET, FOR LEAD AND IRON PIPE.

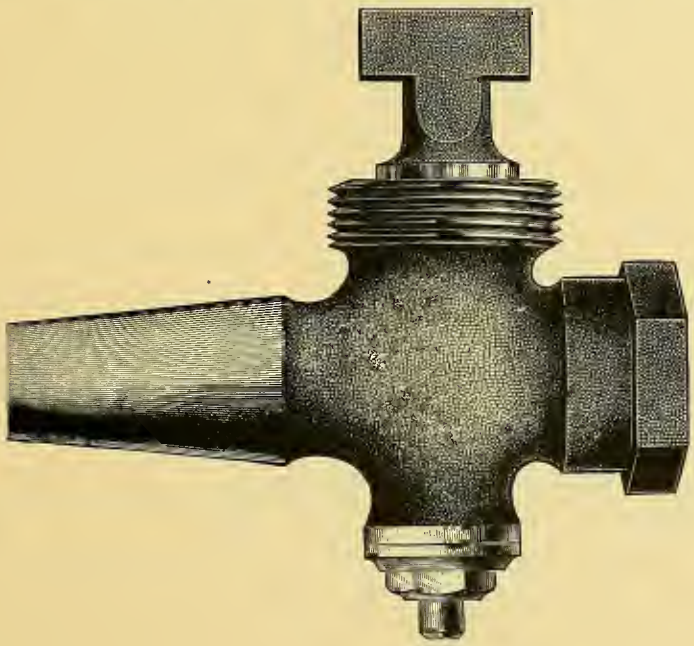


A—71.

Size,	½	¾	1 in.
For Lead and Iron Pipe, per doz.,	$15.50 Anatomy.	23.00 Ancestor.	33.50 Ancestral.
For Iron Pipe—Male and Female, per doz.,	16.00 Anchor.	24.00 Anchovy.	35.00 Ancient.
For Lead Pipe, per doz.,	15.00 Anecdote.	22.00 Anemone.	32.00 Anew.
For Iron Pipe—Female, per doz.	16.00 Angel.	24.00 Angelic.	35.00 Anger.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, NUT AND WASHER, FOR LEAD AND IRON PIPE.

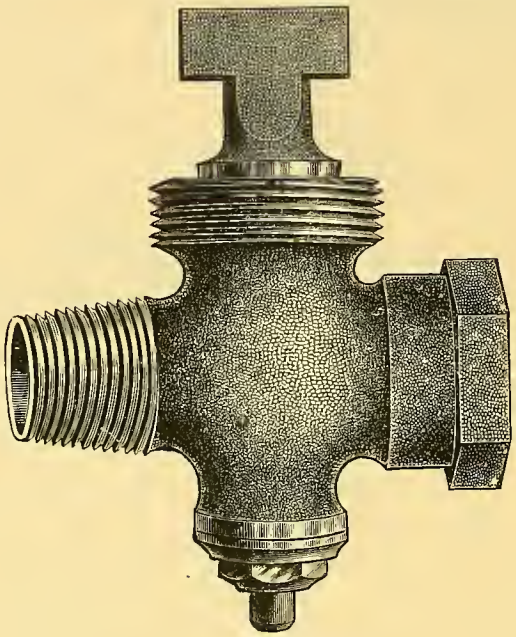


A—72.

Size,	½	¾	1 in.
For Lead and iron Pipe, per doz.,	$16.50 Angle.	24.50 Angler.	35.50 Angling.
For Lead Pipe, per doz.,	16.00 Angry.	23.50 Anguish.	34.00 Angular.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, NUT AND WASHER INSIDE AND OUTSIDE, FOR IRON PIPE.

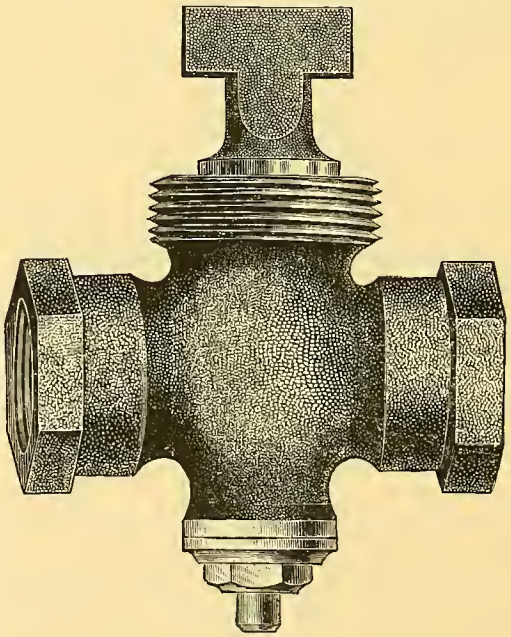


A—73.

Size,	½	¾	1 in.
Per doz.,	$17.00 Animal.	25.00 Animate.	37.00 Animator.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, NUT AND WASHER, FOR IRON PIPE.

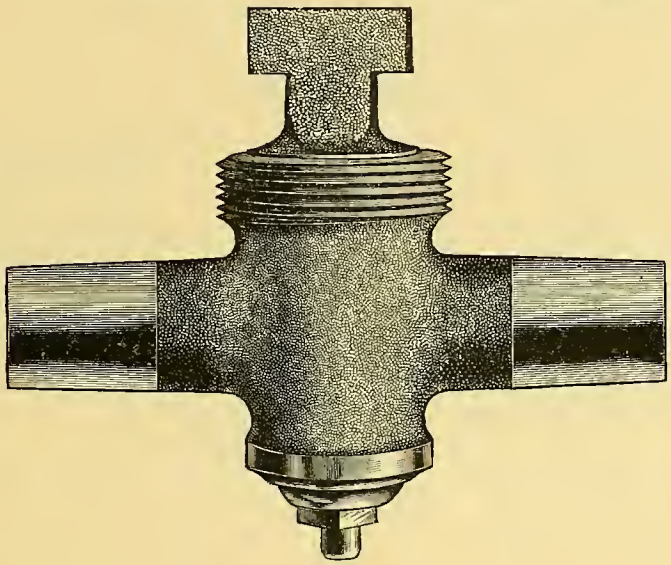


A—74.

Size,	½	¾	1 in.
Per doz.,	$17.50 Animosity.	26.50 Ankle.	38.50 Annex.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, ROUND WAY, NUT AND WASHER.

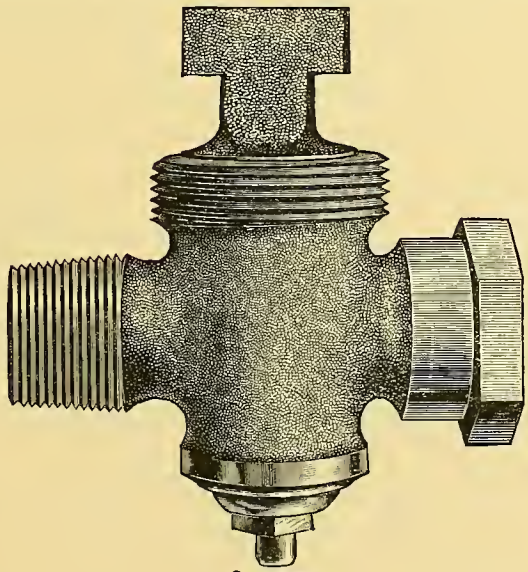


A—75.

Size,	½	¾	1 in.
For Lead Pipe, per doz,	$21.00 Annexation.	29.50 Annihilate.	40.00 Anniversary.
For Lead and Iron Pipe, per doz.,	$21.50 Annona.	30.50 Annotate.	41.50 Announce.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

"T" HANDLE, ROUND WAY, NUT AND WASHER INSIDE AND OUTSIDE, FOR IRON PIPE.

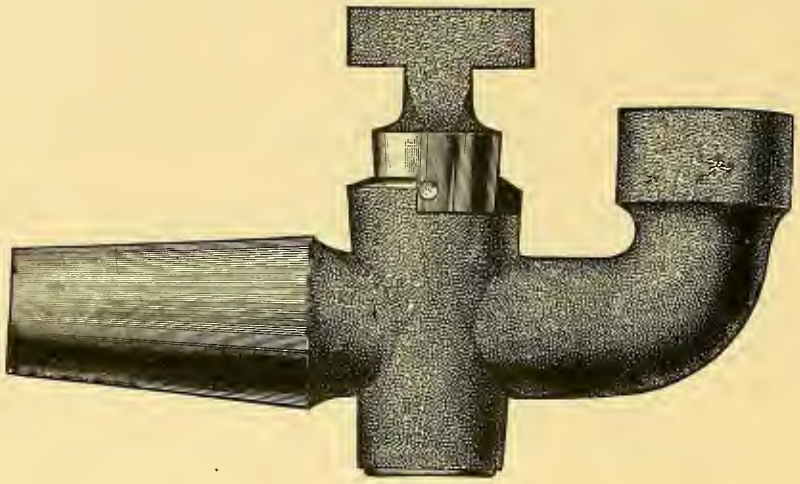


A—76.

Size,	½	¾	1 in.
For Iron Pipe, Male and Female—per doz.,	$22.00 Annoy.	31.50 Annual	43.00 Annuity.
For Iron Pipe—Female, per doz.,	22.50 Annul.	32.50 Annular.	44.50 Annulet.

HYDRANT COCKS.

RIVET, FOR LEAD AND IRON PIPE.

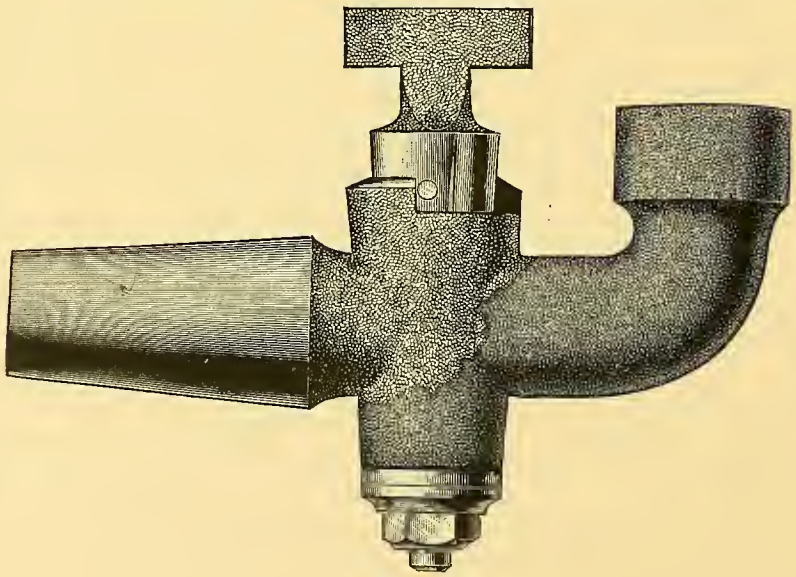


A—77.

Size,	½	⅝	¾	1 in.
Per doz.,	$14.00 Annunciate.	17.50 Anodyne.	21.50 Annoyance.	33.50 Annointed.

HYDRANT COCKS.

NUT AND WASHER, FOR LEAD AND IRON PIPE.

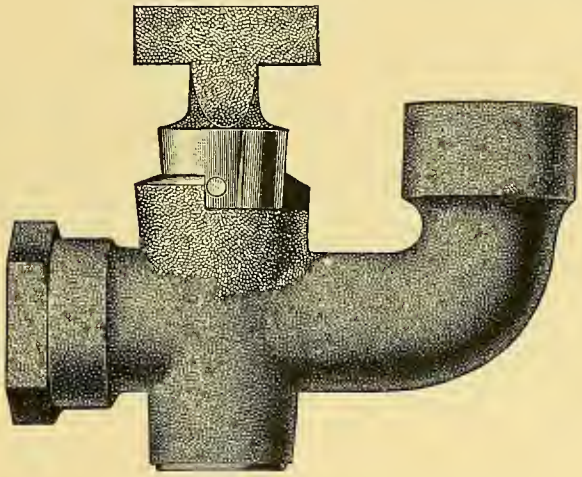


A—78.

Size,	½	⅝	¾	1 in.
Per doz.,	$14.50 Anomalous.	18.00 Anomaly.	22.00 Anon.	34.50 Anonymous.

HYDRANT COCKS.

RIVET, FOR IRON PIPE.

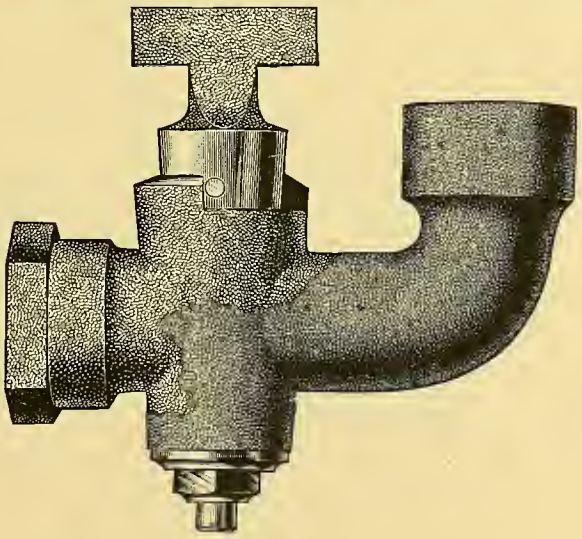


A—79.

Size,	½	¾	1 in.
Per doz.,	$14.50 Another.	22.50 Ant.	35.00 Antagonize.

HYDRANT COCKS.

NUT AND WASHER, FOR IRON PIPE.

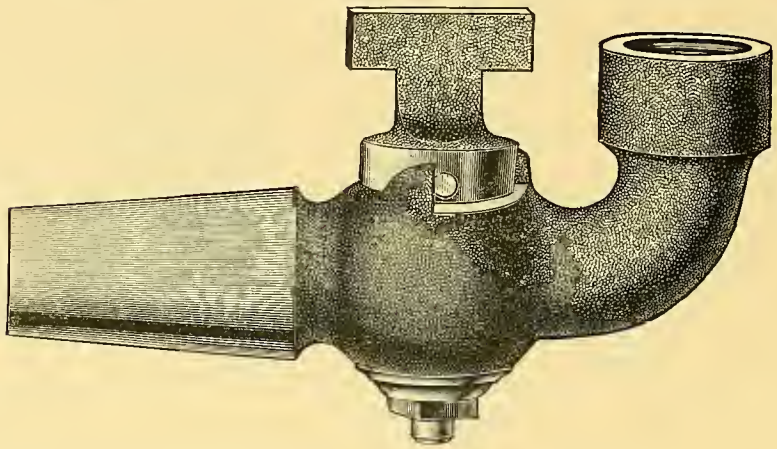


A—80.

Size,	½	¾	1 in.
Per doz.,	$15.00 Antarctic.	23.00 Antedate.	36.00 Antelope

HYDRANT COCKS.

ROUND WAY, NUT AND WASHER. FOR LEAD AND IRON PIPE.

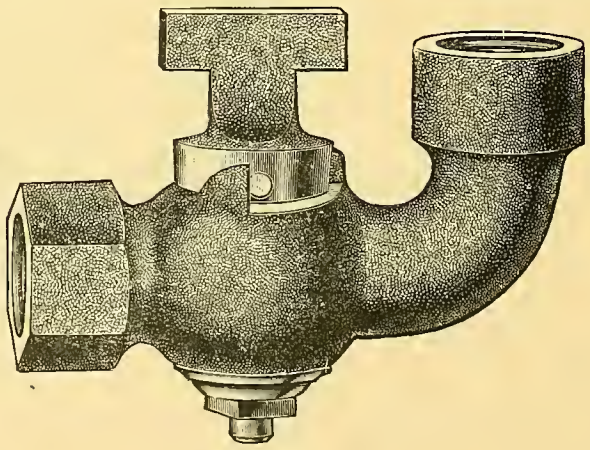


A–81.

Size,	½	⅝	¾	1 in.
Per Doz.,	$18.50 Anthem.	22.00 Anther.	27.50 Anthology.	47.50 Anthracite.

HYDRANT COCKS.

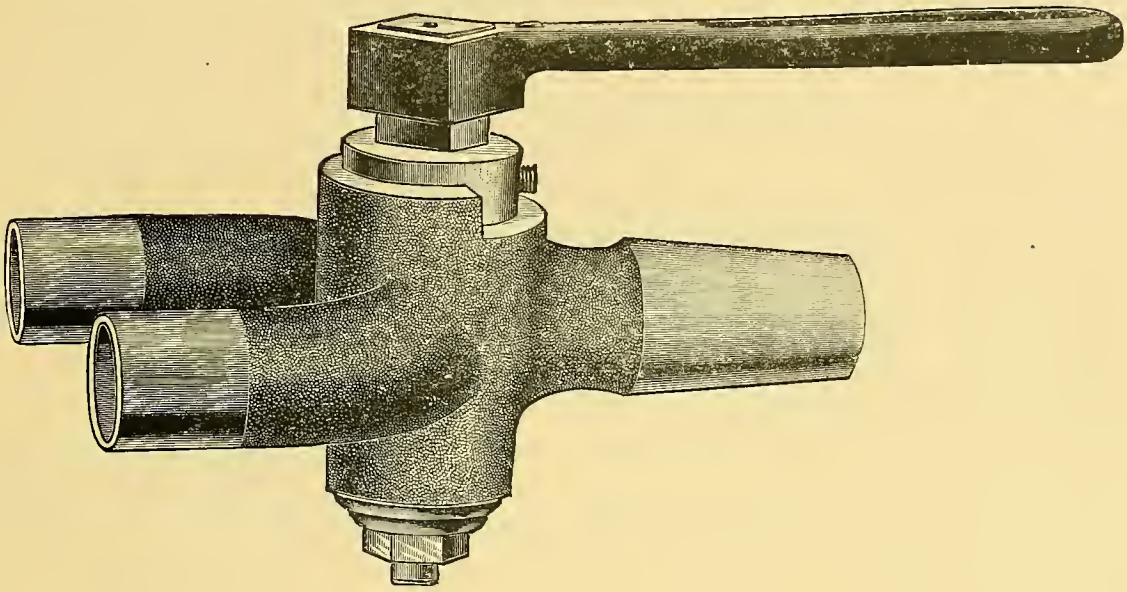
ROUND WAY, NUT AND WASHER, FOR IRON PIPE.



A–82.

Size,	½	¾	1 in.
Per doz.,	$19.00 Antic.	28.50 Antidotal.	49.00 Antidote.

RAIN AND WELL WATER COCKS.

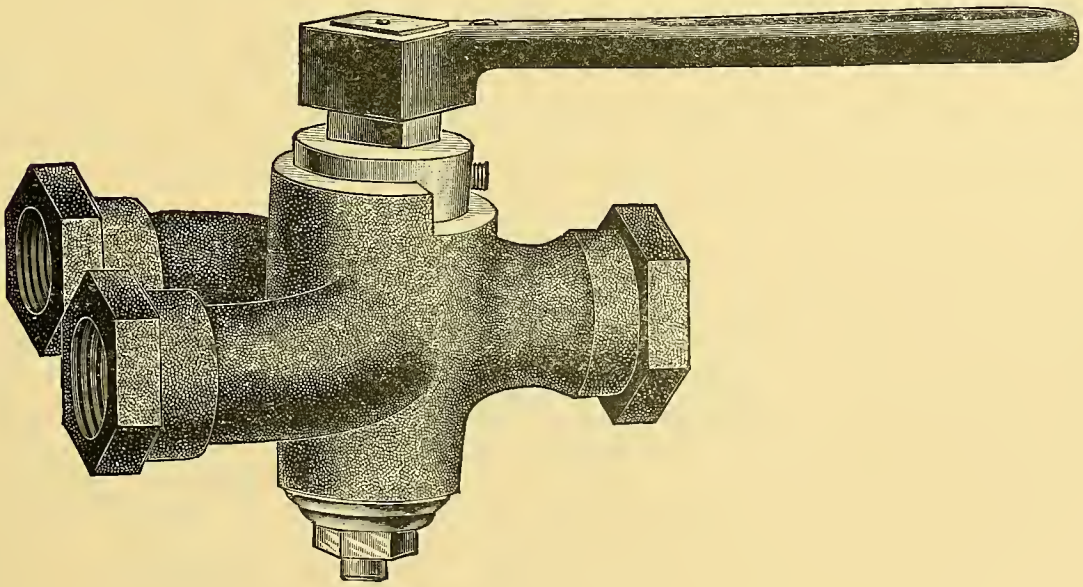


A-83.

Size,	1	1¼ in.
Per doz.,	$70.00 Antipapal	84.00 Antiphony

RAIN AND WELL WATER COCKS.

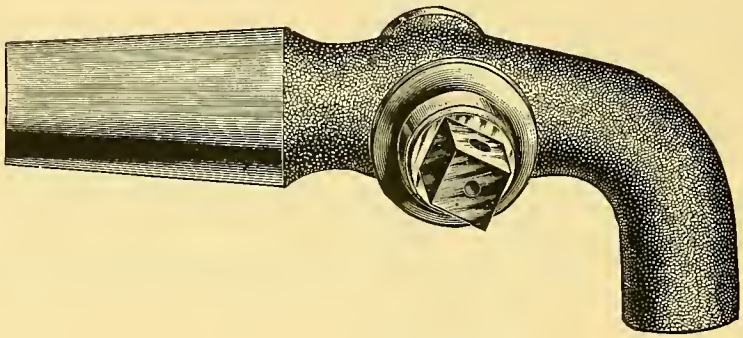
FOR IRON PIPE.



A-84.

Size,	1	1¼ in.
Per doz.,	$79.00 Antique.	96.00 Antiquity.

BALL COCKS.

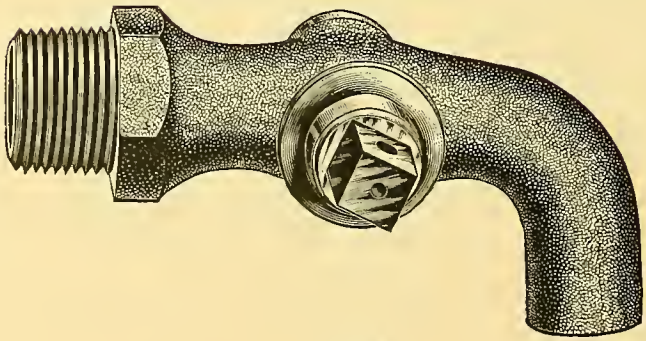


A—85.

Size,	½	⅝	¾	1 in.
Per doz.,	$12.00	15.00	19.50	30.00
	Anxious.	Anxiously.	Apart.	Apathy.

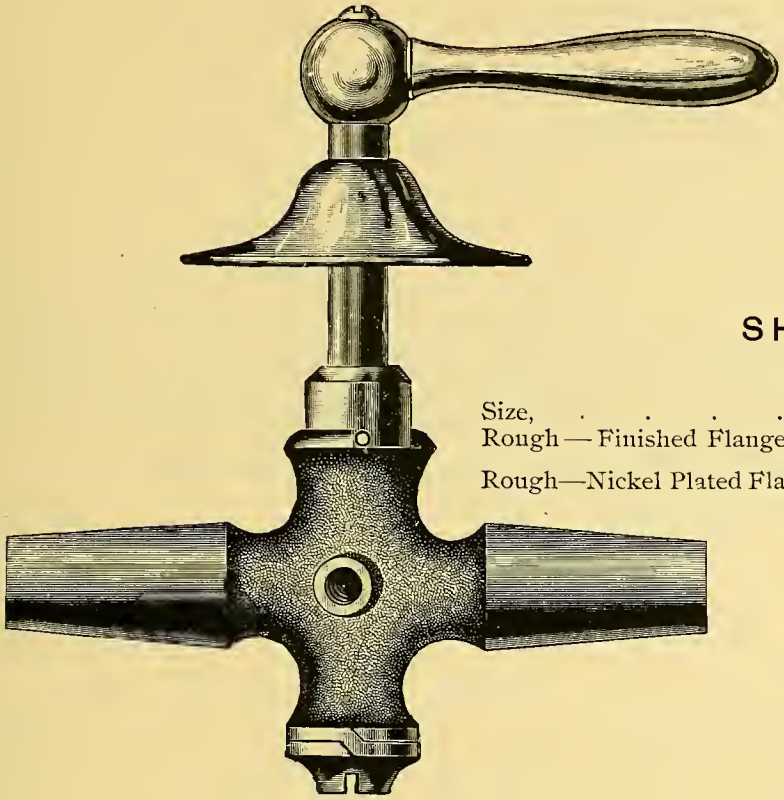
BALL COCKS.

FOR IRON PIPE.



A—86.

Size,	½	⅝	¾	1 in.
Per doz.,	$13.00	16.50	21.50	33.00
	Apeish.	Apologist.	Apologize.	Apostate.

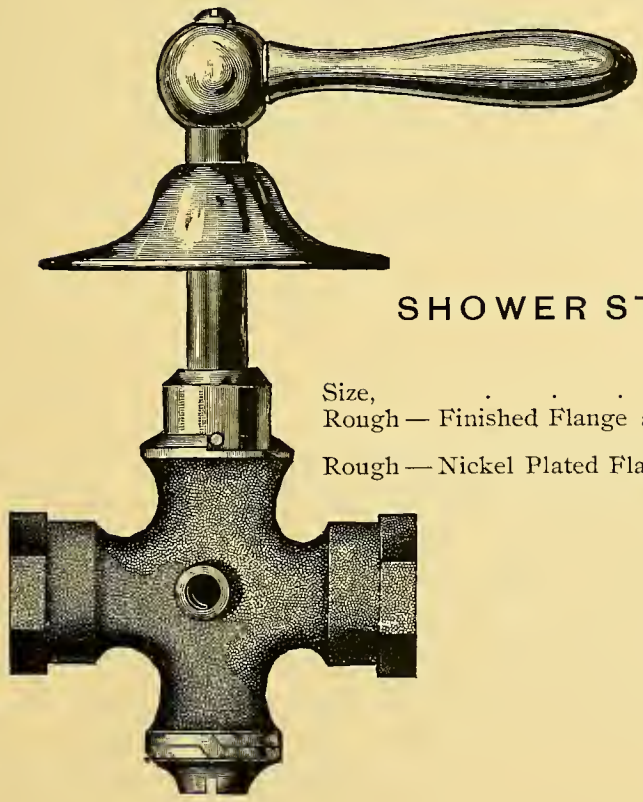


A–87.

SHOWER STOPS.

FLANGE AND HANDLE.

Size,	½	⅝	¾ in.
Rough — Finished Flange and Handle, per doz.,	$24.00 Arcaded.	29.00 Arcadian.	36.00 Arcadic.
Rough—Nickel Plated Flange and Handle, per doz.,	$26.50 Arcturous.	31.50 Arctural.	38.50 Arcturet.



A–88.

SHOWER STOPS, FLANGE AND HANDLE.

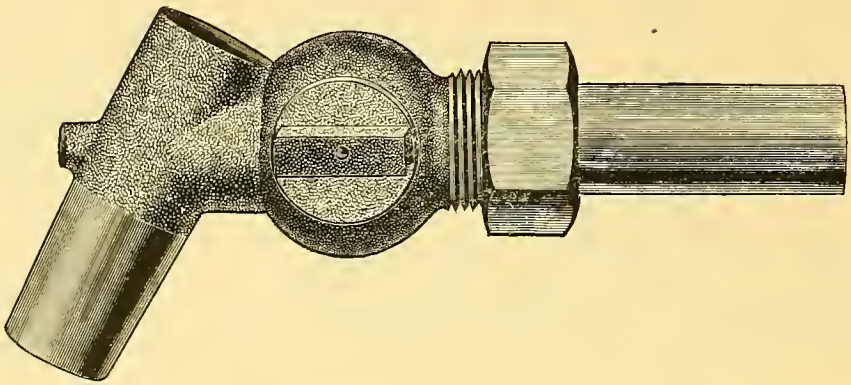
FOR IRON PIPE.

Size,	½	⅝	¾ in.
Rough — Finished Flange and Handle, per doz.,	$25.00 Arabist.	31.00 Arable.	39.00 Arace.
Rough — Nickel Plated Flange and Handle, per doz.,	$27 50 Arachis.	33.50 Araign.	41.50 Aratory.

CORPORATION STOPS.

FOR IRON PIPE.

TO DRIVE INTO MAIN.



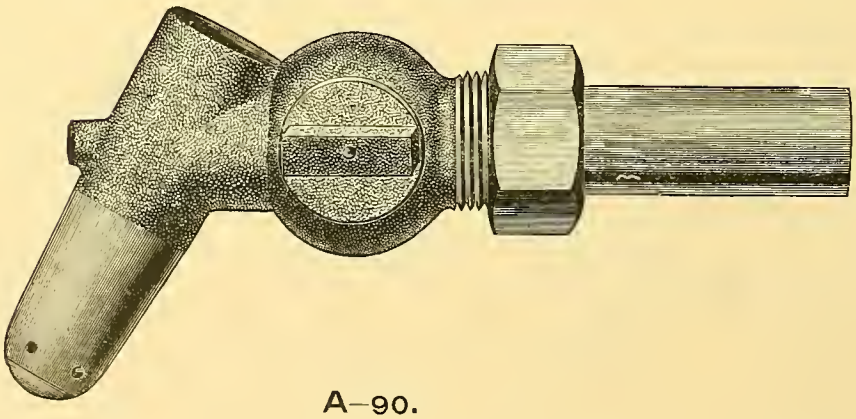
A—89.

Size,	½	⅝	¾	1 in.
Per doz.,	$18.00 Appear.	22.80 Appease.	33.60 Appellate.	52.20 Append.

CORPORATION STOPS.

FOR IRON PIPE.

TO DRIVE INTO MAIN. WITH EEL GUARD.

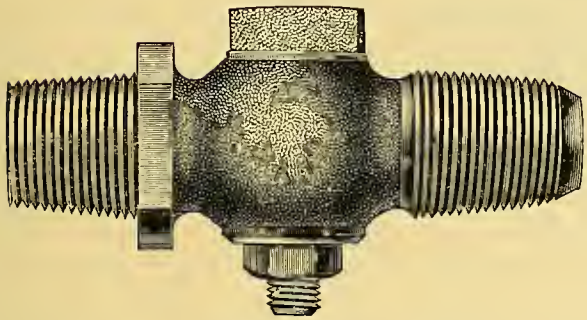


A—90.

Size,	½	⅝	¾	1 in.
Per doz.,	$20.00 Applause.	24.80 Apple.	35.60 Appliance.	54.20 Applicable.

CORPORATION STOPS.

BOTH ENDS OUTSIDE, FOR IRON PIPE.

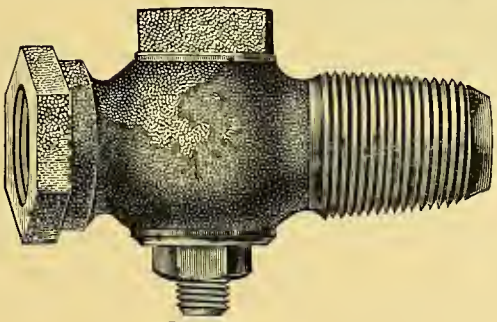


A–91.

Size,	½	⅝	¾	1 in.
Per doz.,	$16.00 Apprentice.	20.00 Apprised.	29.00 Approval.	46 00 Approve.

CORPORATION STOPS.

INSIDE AND OUTSIDE, FOR IRON PIPE.

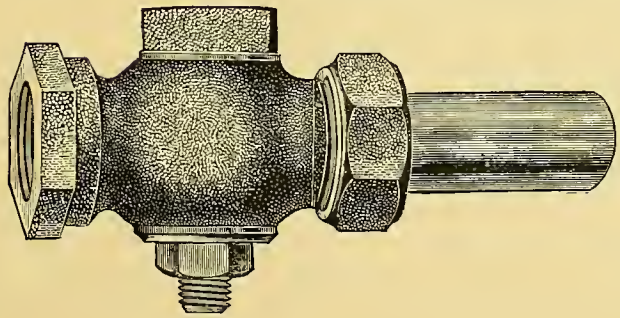


A–92.

Size,	½	⅝	¾	1 in.
Per doz.,	$16.00 Apace.	20.00 Apertness.	29.00 Aperton.	46.00 Apery.

CORPORATION STOPS.

INSIDE, FOR IRON PIPE, WITH STRAIGHT COUPLING.



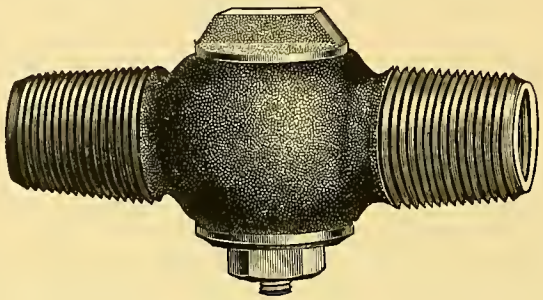
A–93.

Size,	½	⅝	¾	1 in.
Per doz.,	$19.00 Apagoge.	23.00 Apaid.	34.00 Apanage.	53.00 Apartment.

NOTE—**A-93** can be furnished with **Bent Coupling**, when desired.

CORPORATION STOPS FOR MUELLER TAPPING MACHINE.

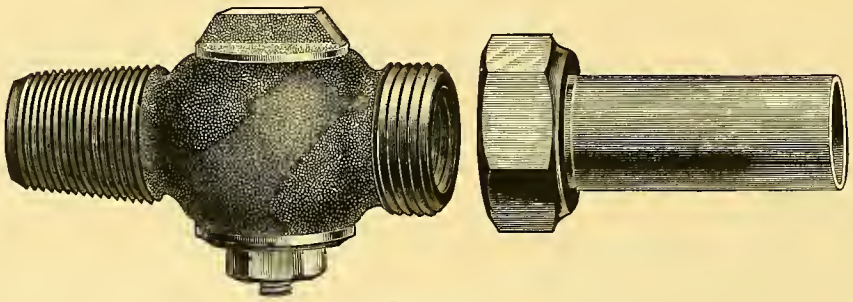
FOR SCREW PLUG, FOR IRON PIPE.



A—94.

Size,	½	⅝	¾	1 in.
Per doz.,	$13.20 Apastron.	16.80 Apatelite.	25.20 Apathist.	40.20 Apatite.

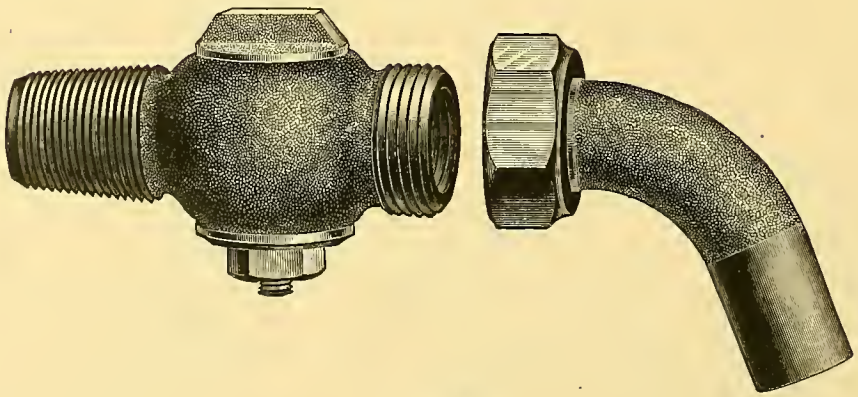
FOR SCREW PLUG WITH STRAIGHT COUPLING.



A—95.

Size,	⅜	½	⅝	¾	1 in.
Per doz.,	$14.40 Apaumel.	16.20 Ape.	20.40 Apeak.	30.00 Apellous.	46.20 Apennine.

FOR SCREW PLUG WITH BENT COUPLING.



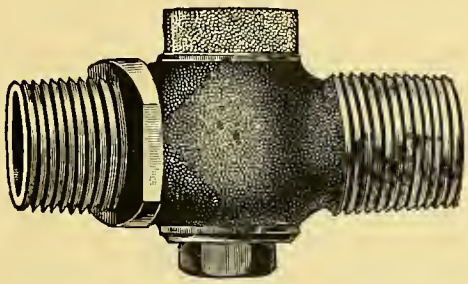
A—96.

Size,	⅜	½	⅝	¾	1 in.
Per doz.,	$14 40 Apepsy.	16.20 Aper.	20.40 Apert.	30.00 Apertion.	46.20 Aphanite.

NOTE—**Stops** for **Hexagon Plug** can be furnished when desired.

CORPORATION STOPS.

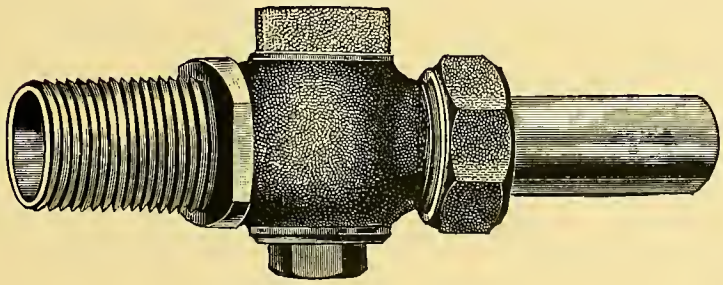
FOR PAYNE TAPPING MACHINE, FOR IRON PIPE.



A—97.

Size,	½	⅝	¾	1 in.
Per doz.,	$13.20 Aphelion.	16.80 Aphis.	25.20 Aphonic.	40.20 Aphony.

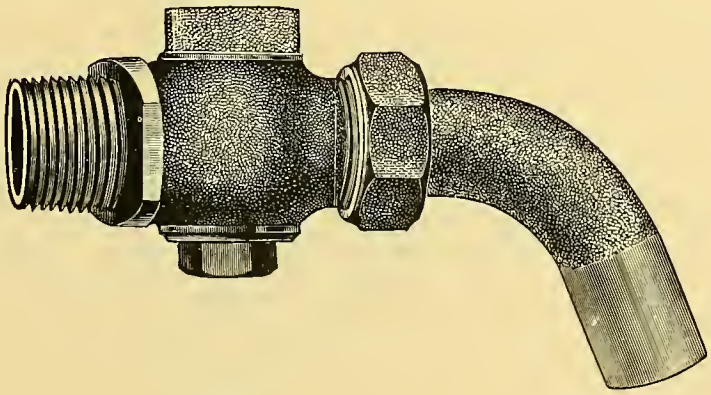
FOR PAYNE TAPPING MACHINE, WOOD MAIN.



A—98.

Size,	½	⅝	¾	1 in.
Per doz.,	$16.20 Aphorist.	20.40 Aphthons.	30.00 Aphthong.	46.20 Aphorize.

FOR PAYNE TAPPING MACHINE, BENT COUPLING.



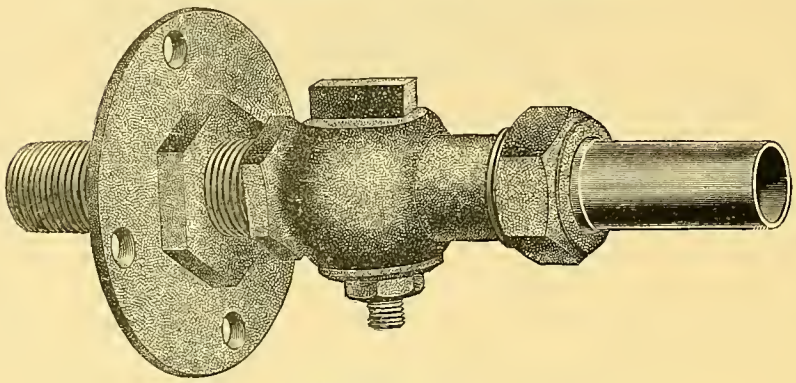
A—99.

Size,	½	⅝	¾	1 in.
Per doz ,	$19.00 Apairy.	23.00 Apical.	34.00 Apices.	53.00 Apiece.

CORPORATION STOPS.

SCREWED FOR WOOD.

WITH EITHER STRAIGHT OR BENT COUPLING.



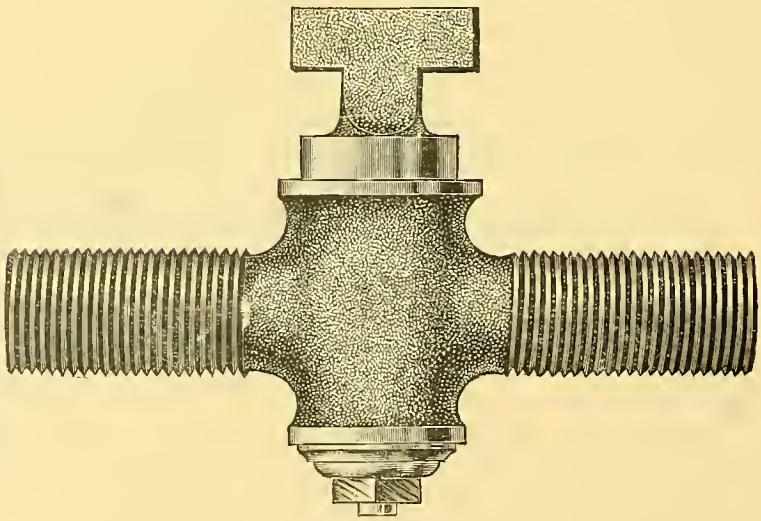
A—100.

Size,	½	⅝	¾	1 in.
Per doz.,	$30.00	36.00	48.00	76.80
	April.	Apron.	Apropos.	Aptitude.

NOTE—**A-100** will always be sent with **Straight Coupling** unless otherwise ordered.

STOP COCKS.

SCREWED FOR WOOD PIPE.

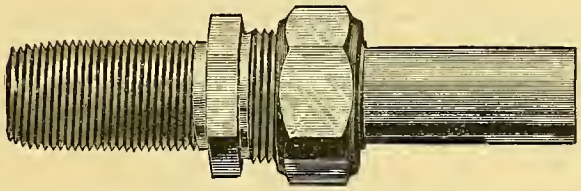


A—101.

Size,	½	⅝	¾	1 in.
Per doz.,	$20.00	24.00	32 00	50.00
	Aptly.	Aqueduct.	Aqueous.	Aquiline

COUPLINGS, FOR WOOD MAINS.

LEAD SERVICE PIPE.

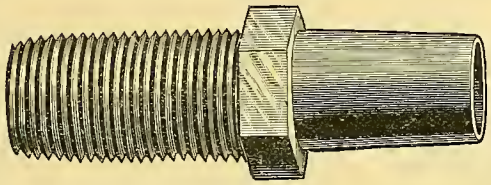


A-102.

Size,	½	⅝	¾	1 in.
Per doz.,	$10.00 Arab.	12.00 Arabian.	14.00 Arabic.	20.00 Arbiter.

NIPPLES, FOR WOOD MAINS.

LEAD SERVICE PIPE.

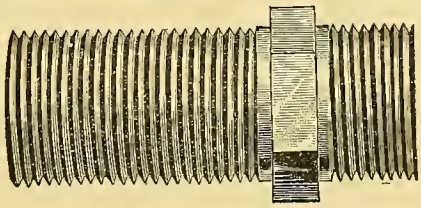


A-103.

Size,	½	⅝	¾	1 in.
Per doz.,	$6 00 Arbitrary.	7.00 Arbitrate.	8.00 Arborer.	9.00 Arboreous.

NIPPLES, FOR WOOD MAINS.

IRON SERVICE PIPE.



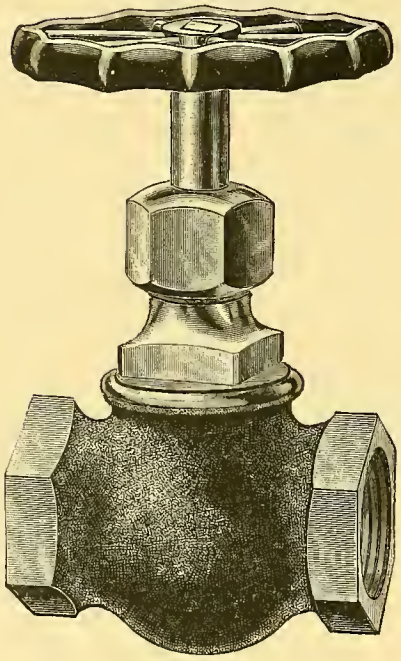
A-104.

Size,	½	⅝	¾	1 in.
Per doz.,	$7.00 Arboret.	8.00 Arc.	9.00 Arcade.	10.00 Arcanum.

STANDARD GLOBE AND ANGLE VALVES.

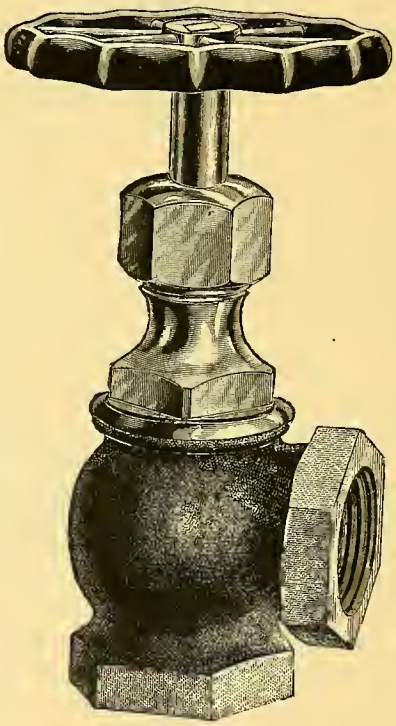
BRASS.

GLOBE.



A—105.

ANGLE.



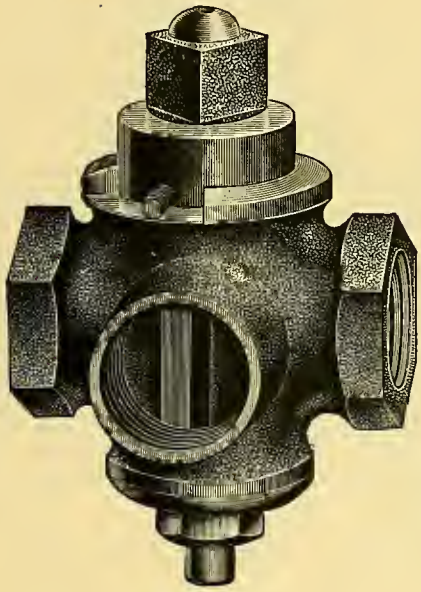
A—106.

Size,	⅛	¼	⅜	½	¾	1 in.
Price, each,	$0.60 Arcane.	.60 Arcboutant.	.75 Arborized.	1.00 Arborvitae.	1.35 Arbusckle.	1.80 Arbuscular.
Size,	1¼	1½	2	2½	3 in.	
Price, each,	$2.80 Arbustive.	3.90 Arbustum.	5.90 Arbute.	11.25 Arbutus.	16.00 Arbutean.	

THREE-WAY STEAM COCKS.

SQUARE HEAD, EXTRA HEAVY.

BRASS, WITH CHECK.



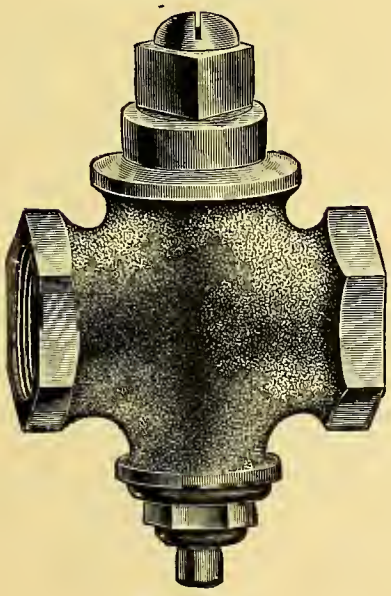
A—107.

Size,	½	¾	1	1¼	2 in.
Price, each,	$1.75 Archaic.	2.40 Archaical.	3.60 Archaism.	5.75 Archangel	7.30 Archbishop

STEAM COCKS.

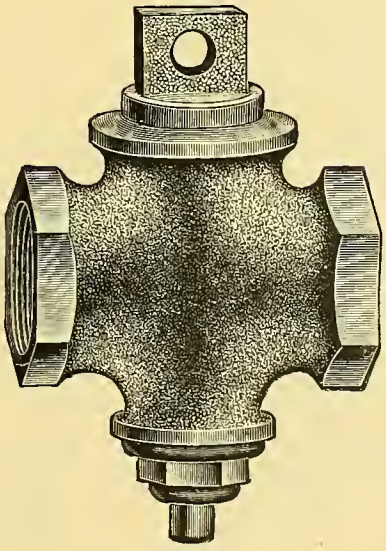
BRASS.

SQUARE HEAD.



A—108.

FLAT HEAD.

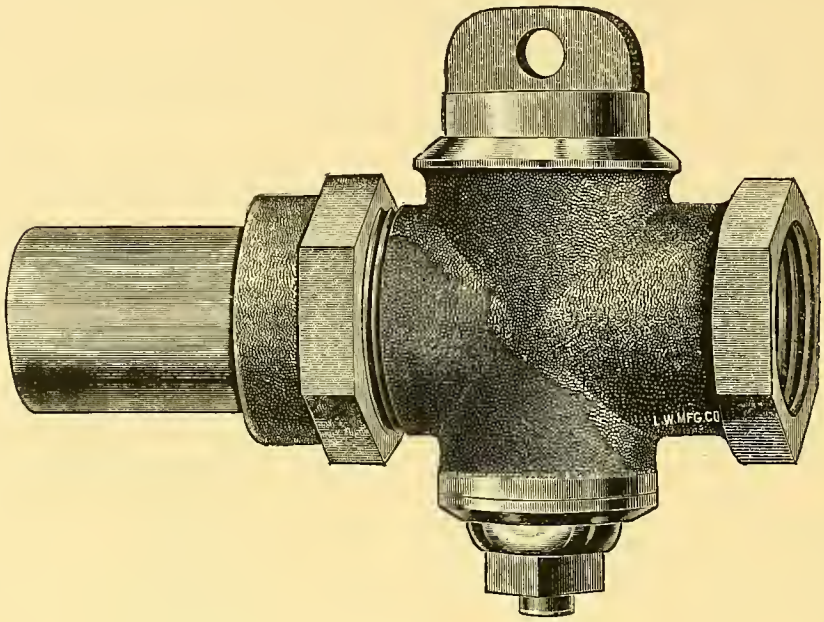


A—109.

Size,	¼	⅜	½	¾	1	1¼	1½	2 in.
Price, Square Head, each,	$0.70 Archhatles.	.75 Archba.	1.10 Archchemist.	1.50 Archcount.	2.25 Archdeacon.	3.75 Archducael.	4.80 Archduchy.	7.25 Archduke.
Price, Flat Head, each,	$0.70 Arched.	.75 Archelogy.	1.10 Archenemy.	1.50 Archeress.	2.25 Archery.	3.75 Archetypal.	4.80 Archeus.	7.25 Archiater.

UNION METER COCKS.

BRASS.

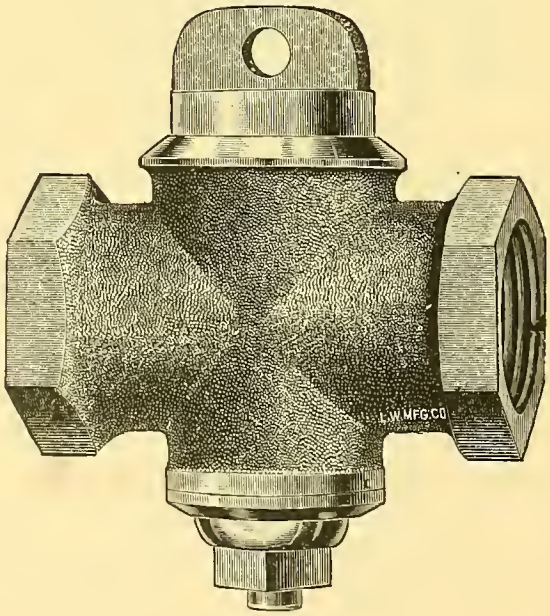


A—110.

Size,	½	¾	1	1¼	1½	2 in.
Price, each,	$1.00 Archical.	1.30 Archierey.	2.00 Archil.	3.00 Architrave.	4 25 Archibal.	6.75 Archive.

GAS SERVICE COCKS.

BRASS.

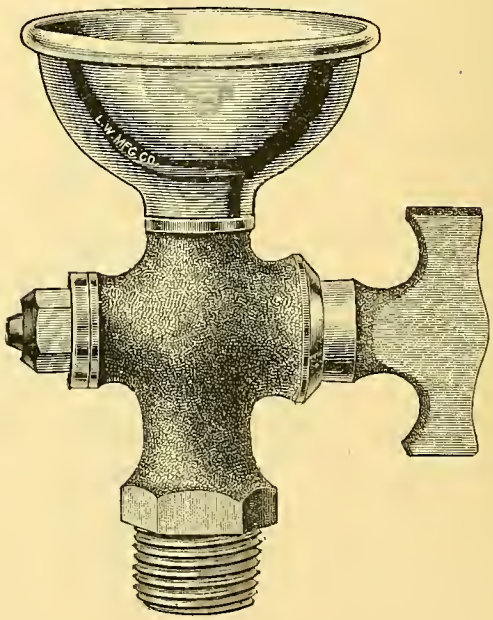


A—111.

Size,	¼	⅜	½	¾	1	1¼	1½ in.
Each,	$0.55 Archivist.	.65 Archivolt.	.75 Archlute.	1.00 Archly.	1.40 Archon.	2.20 Archontic.	3.00 Archstone.

ALCOHOL COCKS.

FOR METERS, BRASS.

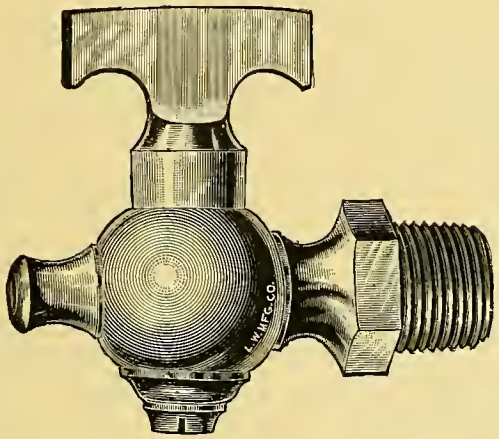


A—112.

Size,	⅜ in.
Each,	$0.90 Archy.

AIR COCKS.

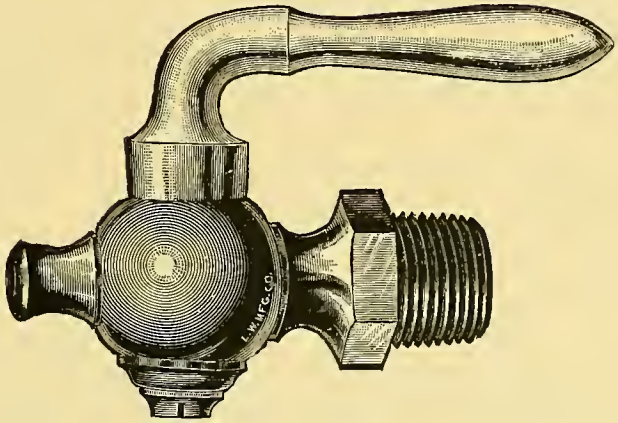
TEE HANDLE.



A—113.

Size,	⅛	¼	⅜	½ in.
Price, each,	$0.40 Archer.	.45 Archwise.	.50 Arcograph.	.60 Arctitude.

LEVER HANDLE.

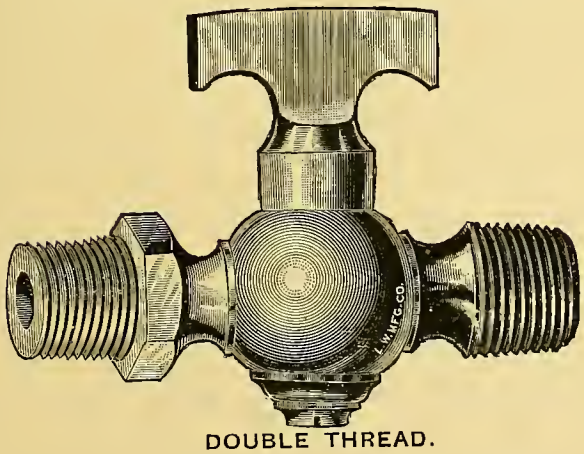


A—114.

Size,	⅛	¼	⅜	½ in.
Price, each,	$0.55 Arctus.	.60 Arcturus.	.65 Arcuate.	.75 Arcuation

AIR COCKS.

WITH MALE THREADS, TEE HANDLE.

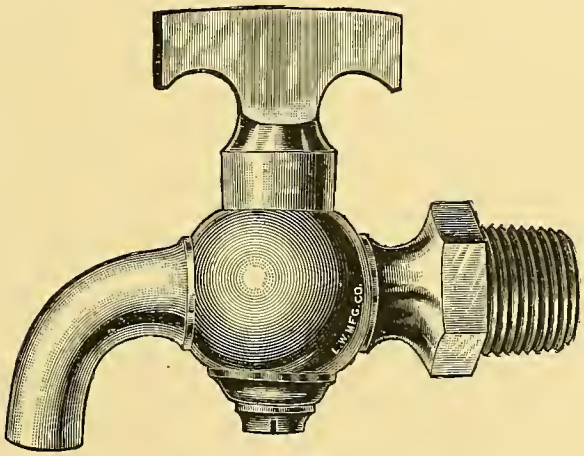


DOUBLE THREAD.

A—115.

Size,	⅛	¼	⅜ in.
Price, Tee Handle, each,	$0.45 Arcubus.	.50 Ardeb.	.90 Ardency.
Price, Lever Handle, each,	$0.60 Arcub.	.65 Arde.	1.05 Arcu.

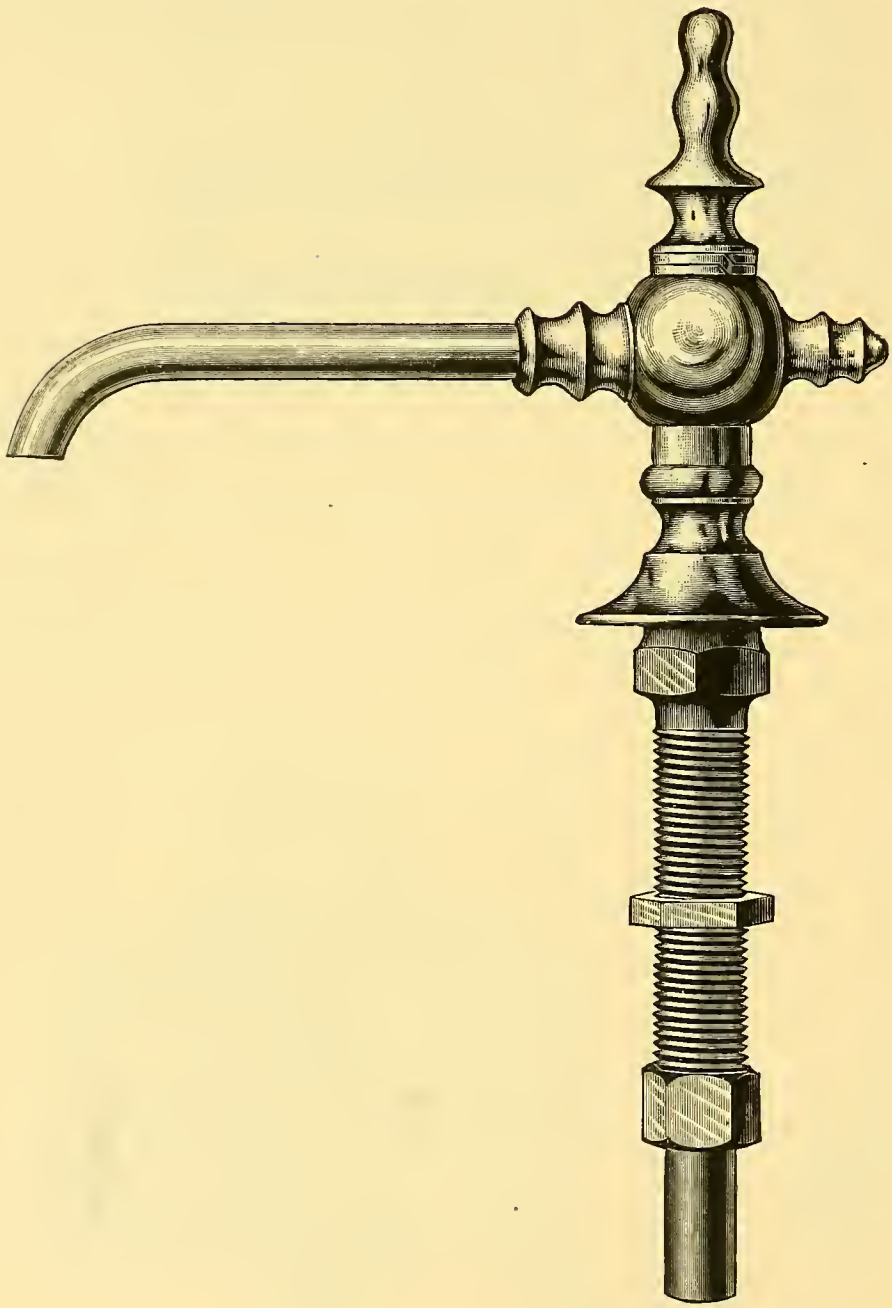
TEE HANDLE.



A—116.

Size,	⅛	¼	⅜ in.
Price, Tee Handle, each,	$0.65 Ardently.	.70 Arduity.	.75 Arduously.
Price, Lever Handle, each,	$0.80 Ardus.	.85 Arduit.	.90 Ardup.

GROUND BASIN COCKS.

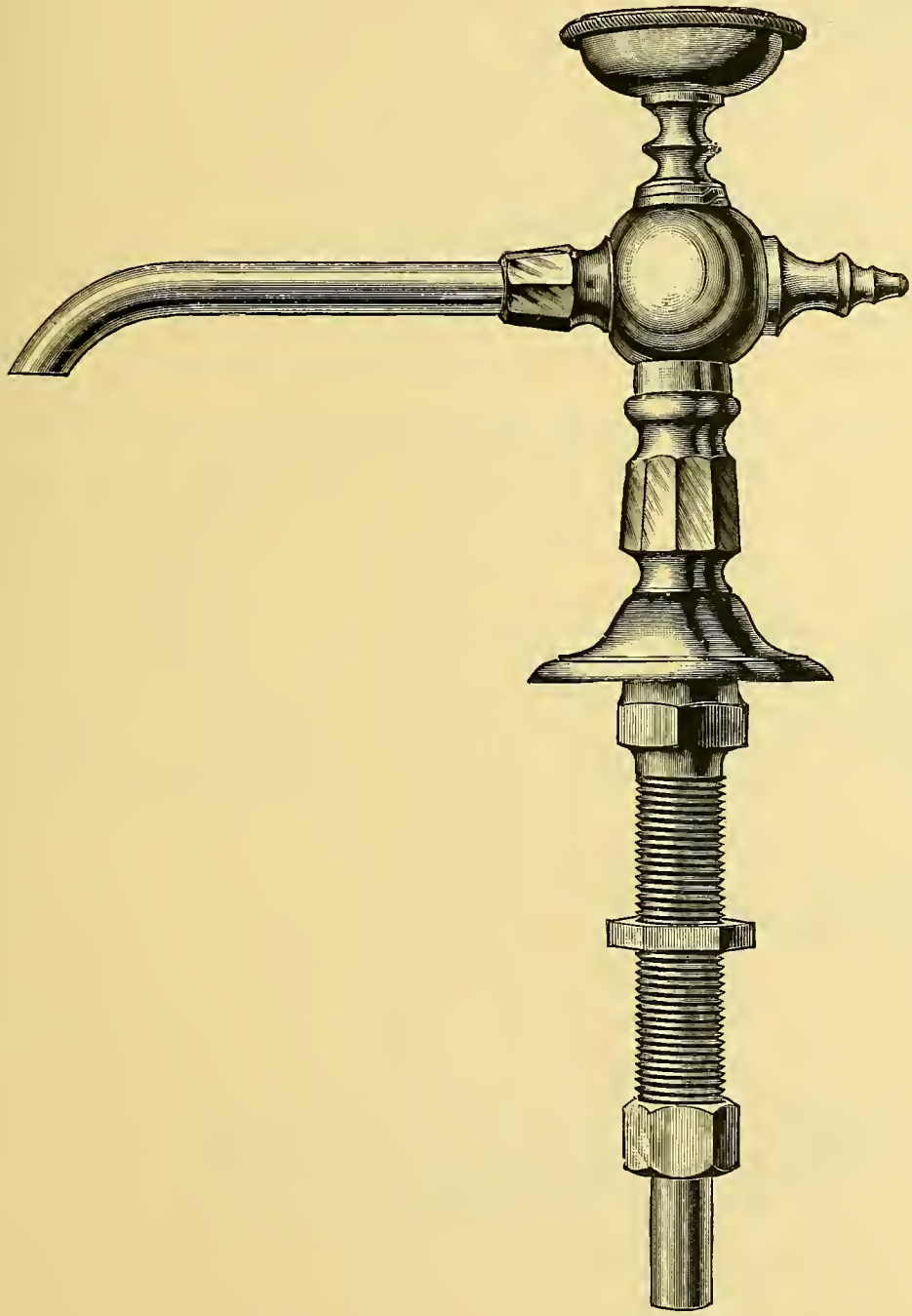


A—117.

Finished, per doz.,	$18.00 Arrow.
Nickel Plated, per doz.,	$21 00 Arsenal.

All our **Basin Cocks** are made with **Ground Couplings.**

GROUND BASIN COCKS.

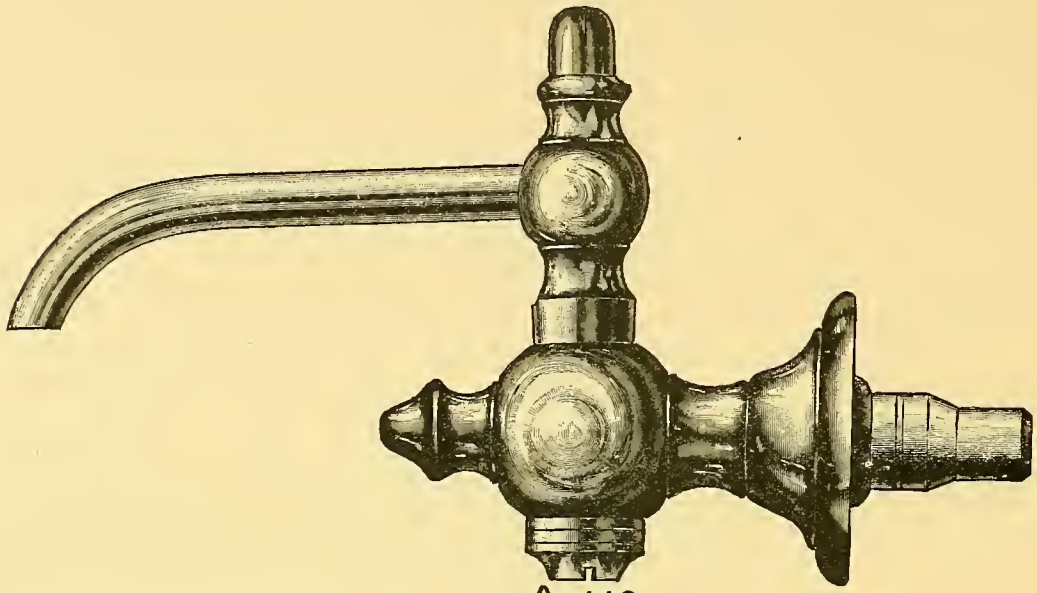


A—118.

Finished, per doz., ...	$30 00 Arson.
Nickel Plated, per doz., ...	$36.00 Art.

All our **Basin Cocks** are made with **Ground Couplings.**

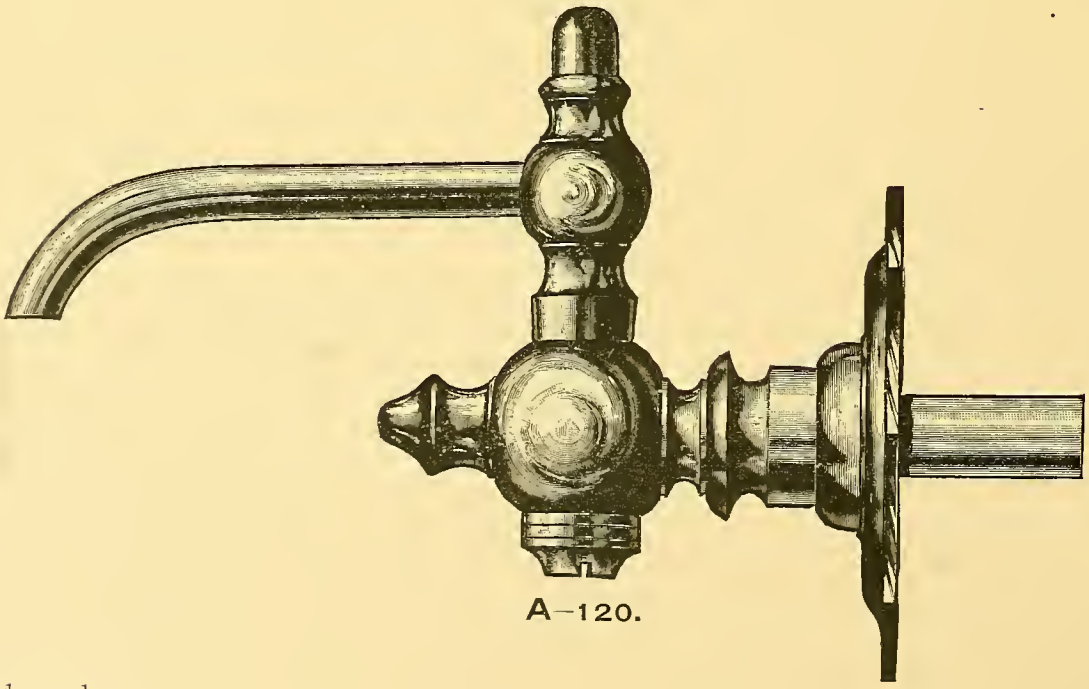
GROUND BRACKET BASIN COCKS.



A—119.

Finished, per doz.,	$18.00 Artery.
Nickel Plated, per doz.,	$22.00 Artful.

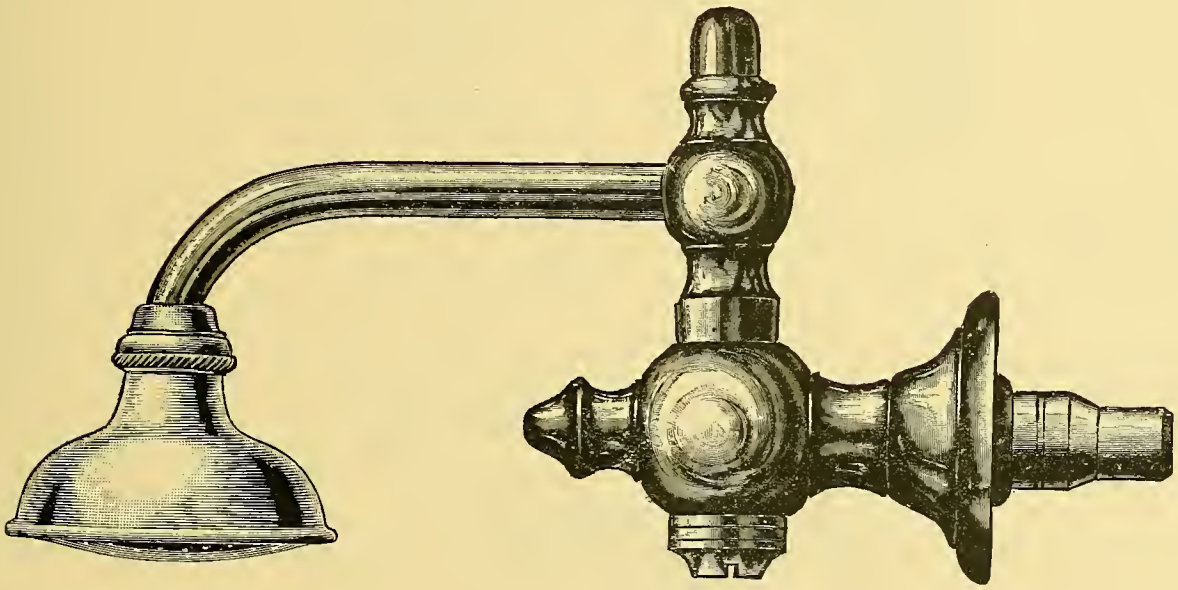
GROUND BRACKET BASIN COCKS.



A—120.

Finished, per doz.,	$34.00 Artichoke.
Nickel Plated, per doz.,	$40.00 Article.

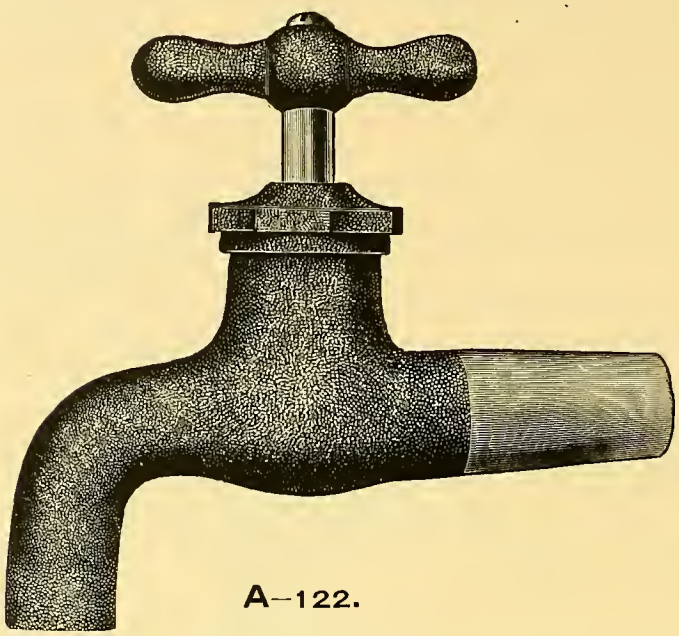
GROUND BRACKET SHAMPOO COCK.



A—121.

Finished, per doz.,	$30.00 Artley.
Nickel Plated, per doz.,	$34.00 Arvel.

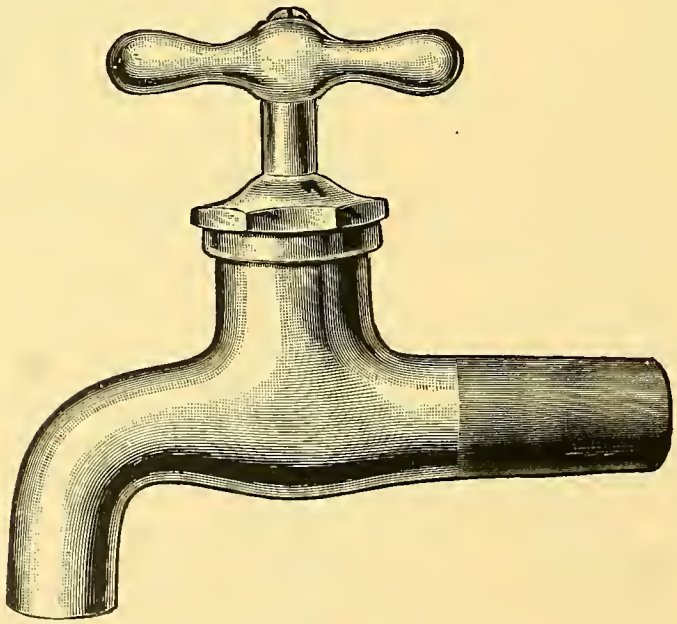
COMPRESSION PLAIN BIBBS.



A—122.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$8.50 Ascribable.	9.50 Ascribe.	11.00 Ash.	17.00 Ashamed.	30.00 Ashen.	44.00 Ashes.	68.00 Ashore.	140.00 Ashy.

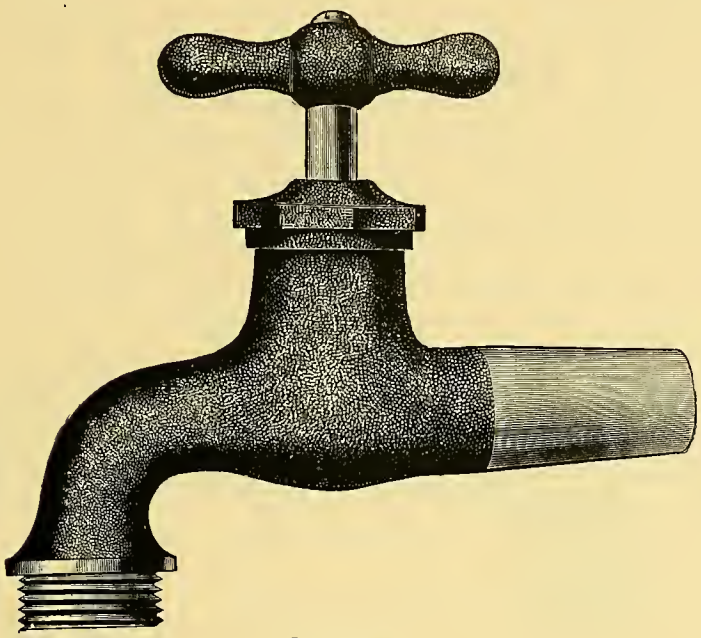
COMPRESSION PLAIN BIBBS.



A—123.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$ 9.00 Asiatic.	10.00 Aside.	12.00 Asinine.	18.00 Ask.	34.00 Askance.	52.00 Askew.	80.00 Astant.	160.00 Asleep.
Nickel Plated, per doz.,	11.00 Aslope.	12.50 Asp.	14.50 Aspect.	20.50 Aspen.	37.00 Asperity			

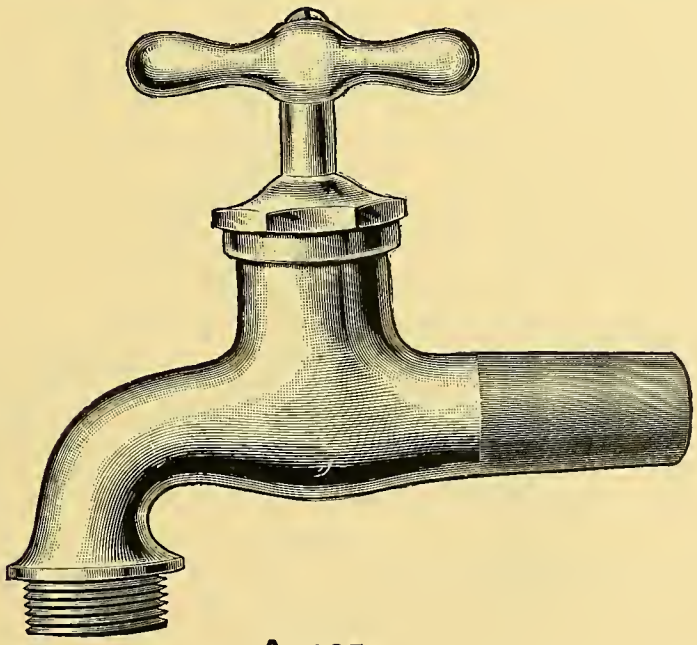
COMPRESSION HOSE BIBBS.



A–124.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$9.50 Aspirant.	10.50 Aspirate.	12.00 Aspire.	19.00 Asquint.	33.00 Assail.	48.00 Assailant.	74.00 Assassin.	150.00 Assassinate.

COMPRESSION HOSE BIBBS.

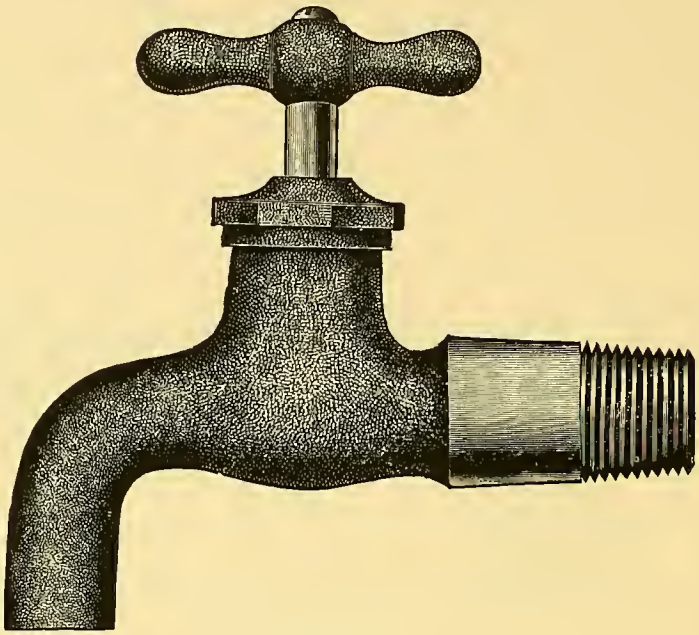


A–125.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$10.00 Assault.	11.00 Assay.	13.00 Assayer.	20.00 Assemble.	37.00 Assent.	56.00 Assert.	86.00 Assertion.	170.00 Assess.
Nickel Plated, per doz.,	$12.00 Assiduity.	13.50 Assign.	15.50 Assignee.	22.50 Assigner.	40.00 Assimilate.			

COMPRESSION PLAIN BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.

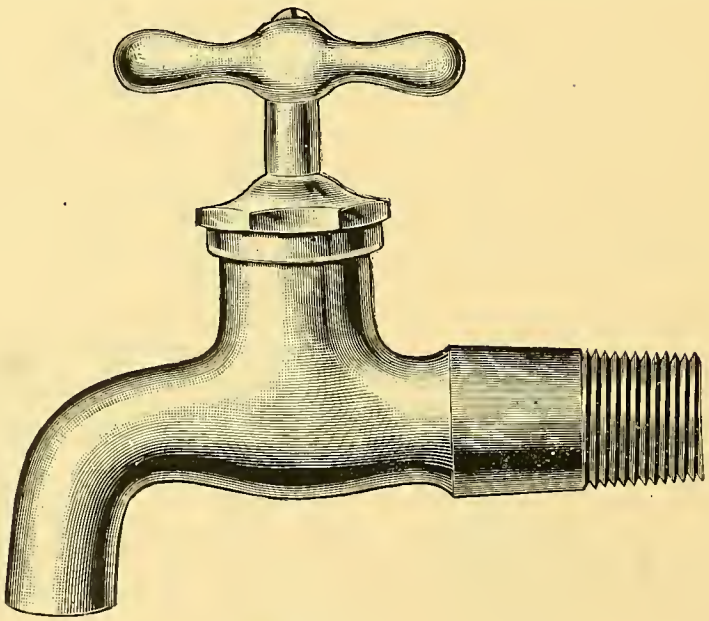


A—126.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$9.50 Atticize.	10.50 Attire.	12.00 Attorney.	19.00 Attract.	33.00 Attractor.	48.00 Attribute.	74.00 Attrite	150.00 Attune.

COMPRESSION PLAIN BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER,

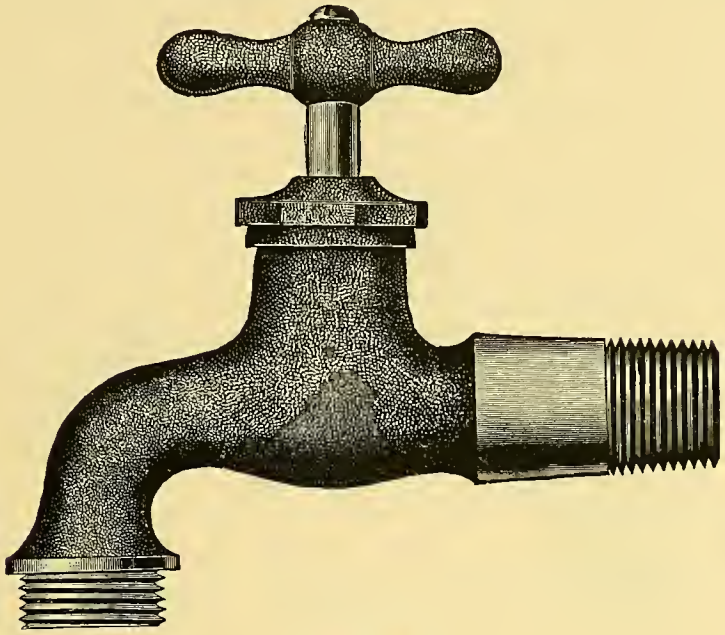


A—127.

Size	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, Per doz.,	$10.00 Auburn.	11.00 Auction.	13.00 Audacious.	20.00 Audacity.	37.00 Audible.	56.00 Audience.	86.00 Audit.	170 00 Auditor.
Nickel Plated, per doz.,	$12.00 Auger.	13.50 Aught.	15.50 Augment.	22.50 Augural.	40.00 Augury.			

COMPRESSION HOSE BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.

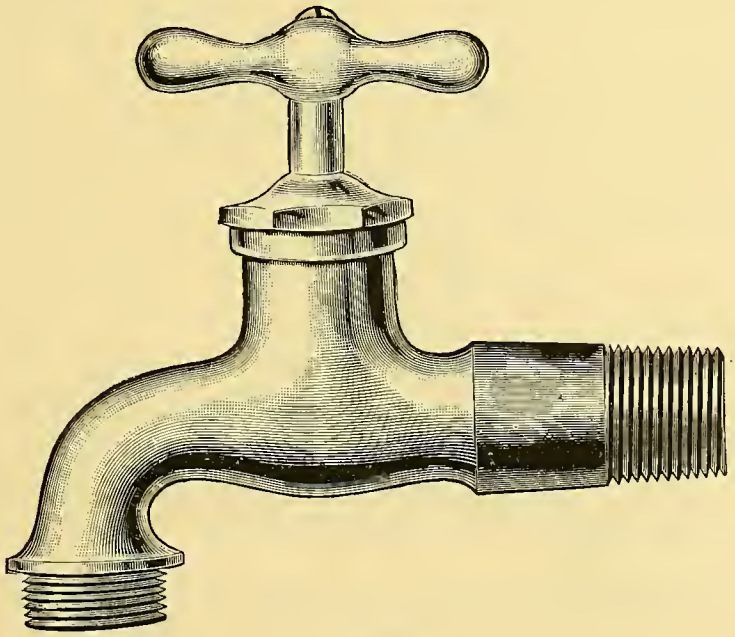


A—128.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$10.50 Auricula.	11.50 Auriculate.	13.00 Aurora.	21.00 Auspice.	36.00 Austere.	52.00 Austerity.	80.00 Austral.	160.00 Authentic.

COMPRESSION HOSE BIBBS, FOR IRON PIPE.

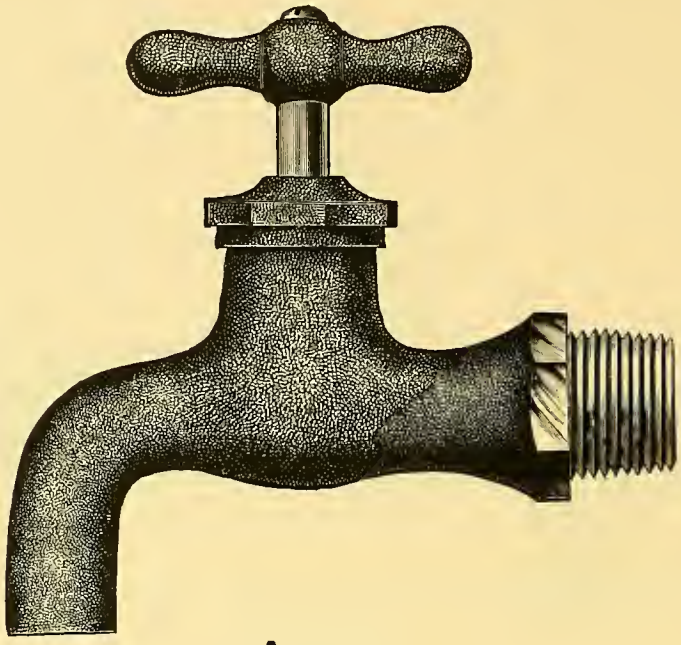
WITHOUT SHOULDER.



A—129.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$11.00 Author.	12.00 Authoress.	14.00 Authority.	22.00 Authorize.	40.00 Autocracy.	60.00 Autocrat.	92.00 Autograph.	180.00 Autumn.
Nickel Plated, per doz.,	$13.00 Avail.	14.50 Avarice.	16 50 Avast.	24.50 Avaunt.	43.00 Avende.			

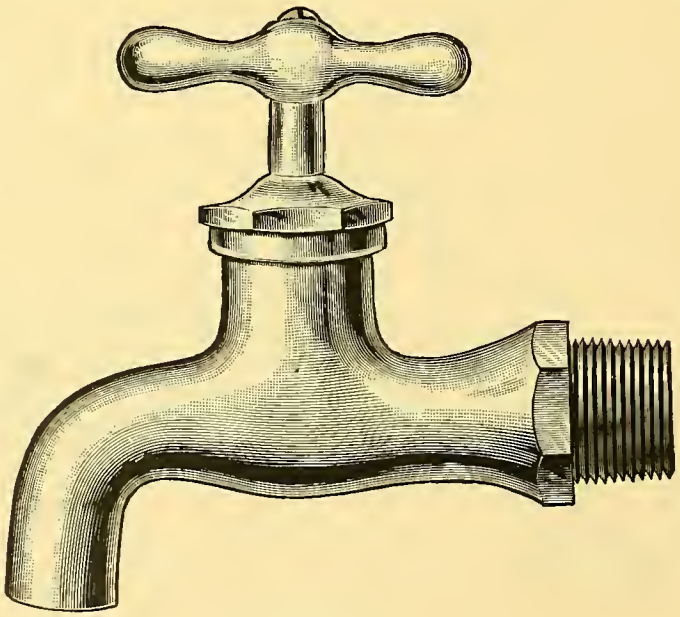
COMPRESSION PLAIN BIBBS, FOR IRON PIPE.



A—130.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$9.50 Assist.	10.50 Assistant.	12.00 Assize.	19.00 Assizer.	33.00 Associate.	48.00 Assort.	74.00 Assuage.	150.00 Assume.

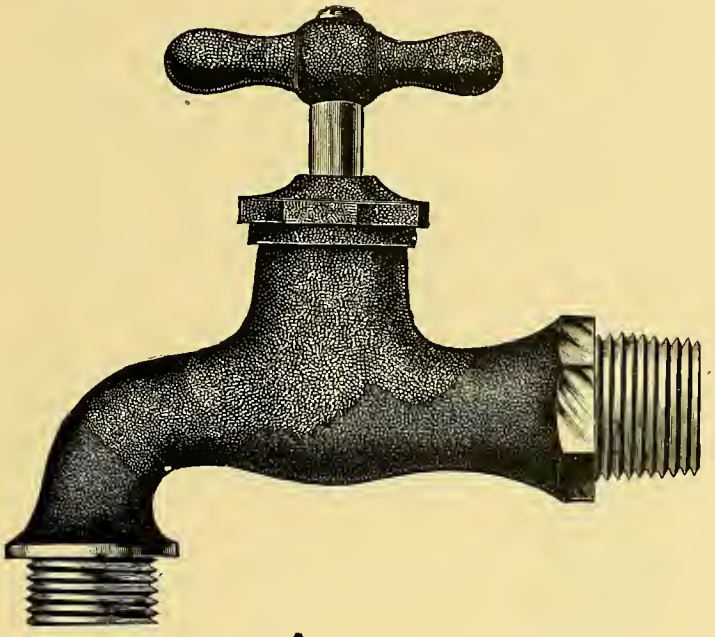
COMPRESSION PLAIN BIBBS, FOR IRON PIPE.



A—131.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$10.00 Assurance.	11.00 Assure.	13.00 Asterisk.	20.00 Asterism.	37.00 Astern.	56.00 Asteroid.	86.00 Asthma.	170.00 Astonish.
Nickel Plated, per doz.,	$12.00 Astound.	13.50 Astral.	15.50 Astray.	22.50 Astride.	40.00 Astringe.			

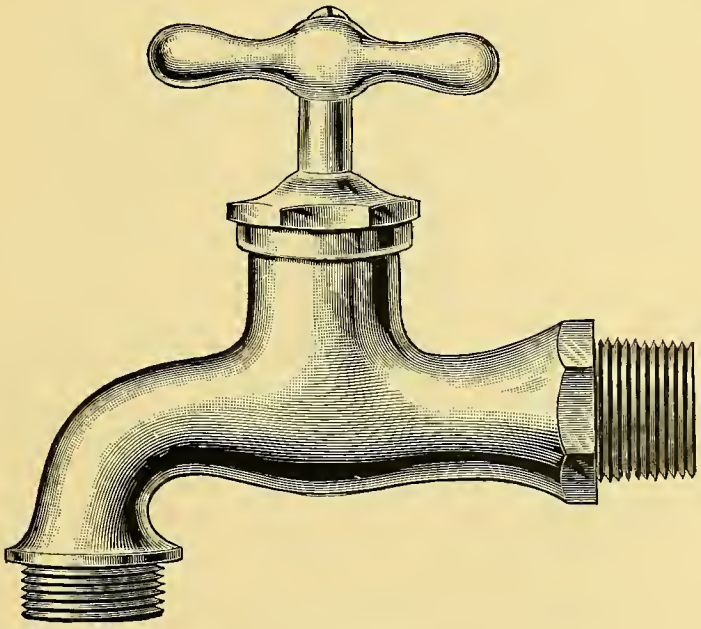
COMPRESSION HOSE BIBBS, FOR IRON PIPE.



A—132.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Rough, per doz.,	$10.50 Atheism.	11.50 Atheist.	13.00 Atheneum.	21.00 Athirst.	36.00 Athlete.	52.00 Athletic	80.00 Athwart.	160.00 Atlantic.

COMPRESSION HOSE BIBBS, FOR IRON PIPE.

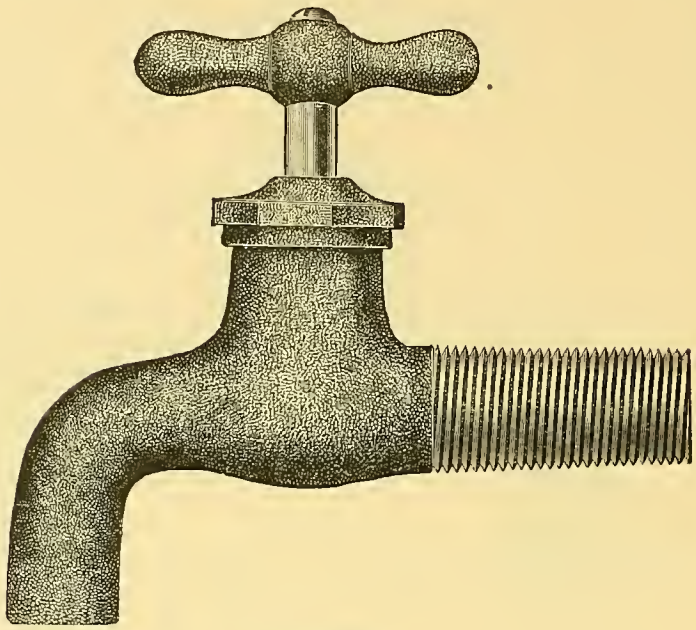


A—133.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Finished, per doz.,	$11.00 Attach.	12.00 Attack.	14.00 Attain.	22.00 Attaint.	40.00 Attempt.	60.00 Attend.	92.00 Attendant.	180.00 Attention.
Nickel Plated, per doz.,	$13.00 Attentive.	14.50 Attendant	16.50 Attest.	24.50 Attic	43.00 Atticism.			

COMPRESSION PLAIN BIBBS.

SCREWED FOR WOOD.

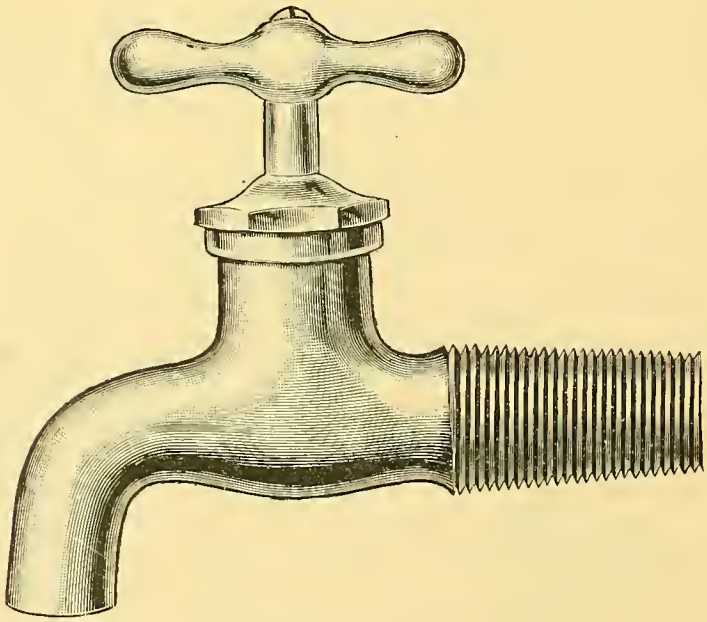


A—134.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$10.00 Attinge.	11.50 Attire.	13.00 Attitle.	20.00 Attitude.	35.00 Attle.

COMPRESSION PLAIN BIBBS.

SCREWED FOR WOOD.

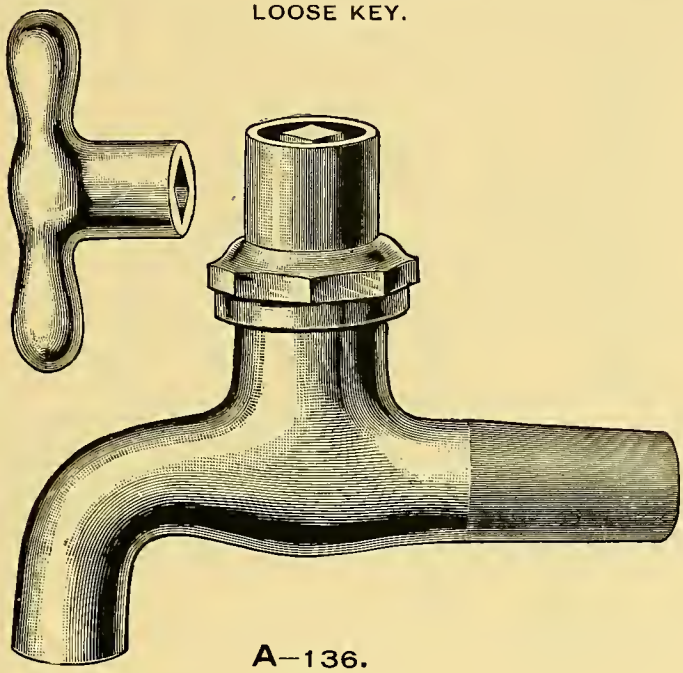


A—135.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$10.50 Attolent.	12.00 Attonce.	14 00 Attone.	21.00 Attractive.	39.00 Attrition.
Nickel Plated, per doz.,	$12.50 Atwain.	14.50 Atwist.	16.50 Atwo.	23.50 Atypic.	42.00 Aubaine.

COMPRESSION PLAIN BIBBS.

LOOSE KEY.

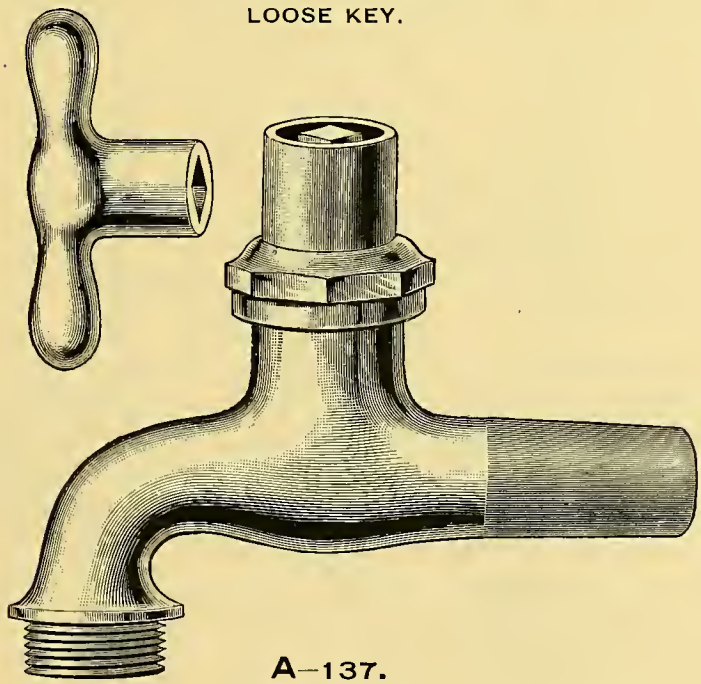


A—136.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$15.50 Await.	17.00 Awake.	24.00 Awaken.	38.00 Award
Finished, per doz.,	$16.00 Aware.	18.00 Away.	25.00 Awful.	42.00 Awhile.
Nickel Plated, per doz.,	$18.50 Awsome.	20.50 Awhape.	27.50 Awk.	45.00 Awl.

COMPRESSION HOSE BIBBS.

LOOSE KEY.

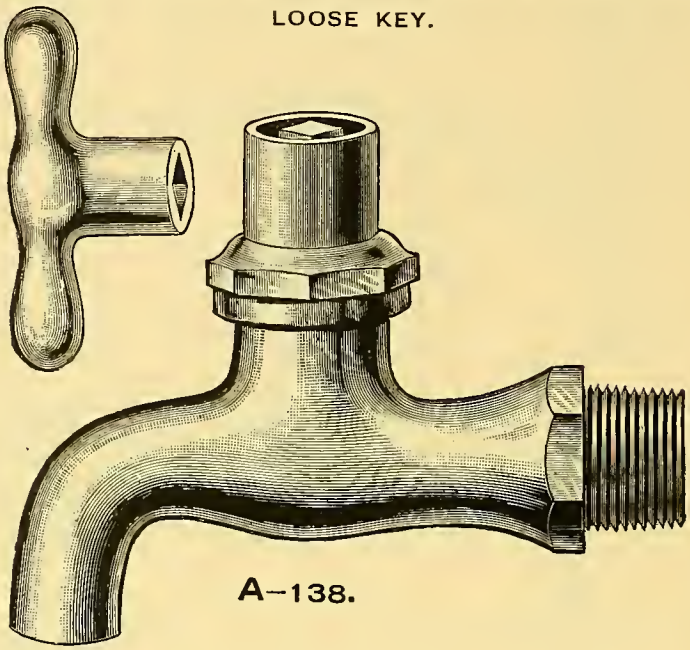


A—137.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$16.50 Awarn.	18.00 Awe.	26.00 Aweary.	41.00 Aweigh.
Finished, per doz.,	$17.00 Awkward.	19.00 Awn.	27.00 Awning.	45.00 Awry.
Nickel Plated, per doz.,	$19.50 Awlwort.	21.50 Awm.	29 50 Awned.	48.00 Awny.

COMPRESSION PLAIN BIBBS, FOR IRON PIPE.

LOOSE KEY.

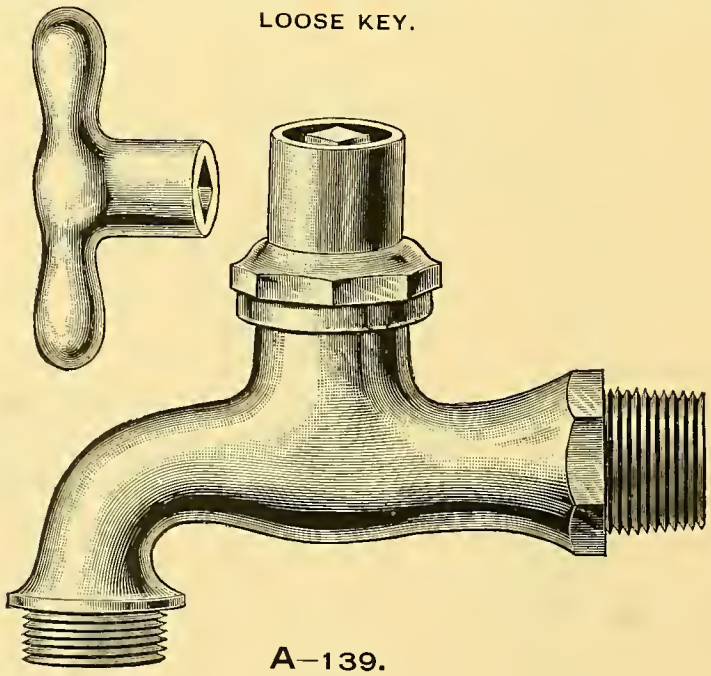


A–138.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$16.50 Axe.	18.00 Axis.	26.00 Axil.	41.00 Azote.
Finished, per doz.,	$17.00 Azotic.	19.00 Azure.	27.00 Axiom.	45.00 Aye.
Nickel Plated, per doz.,	$19.50 Axial.	21.50 Axiform.	29.50 Axillary.	48.00 Azmous.

COMPRESSION HOSE BIBBS, FOR IRON PIPE.

LOOSE KEY.

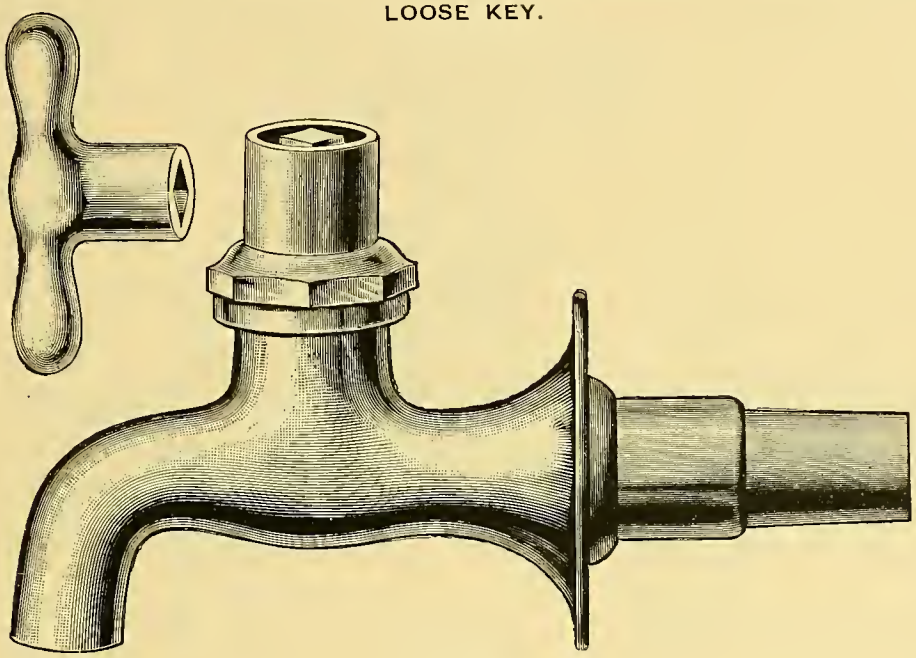


A–139.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$17.50 Ayle.	19.00 Axeltree.	28.00 Ayry.	44.00 Azalea.
Finished, per doz.,	$18.00 Azarole.	20.00 Azoic.	29.00 Azoted.	48.00 Azoth
Nickel Plated, per doz.,	$20.50 Aztec.	22.50 Azure.	31.50 Azurine.	51.00 Azyme.

COMPRESSION PLAIN BIBBS, FLANGE AND THIMBLE.

LOOSE KEY.



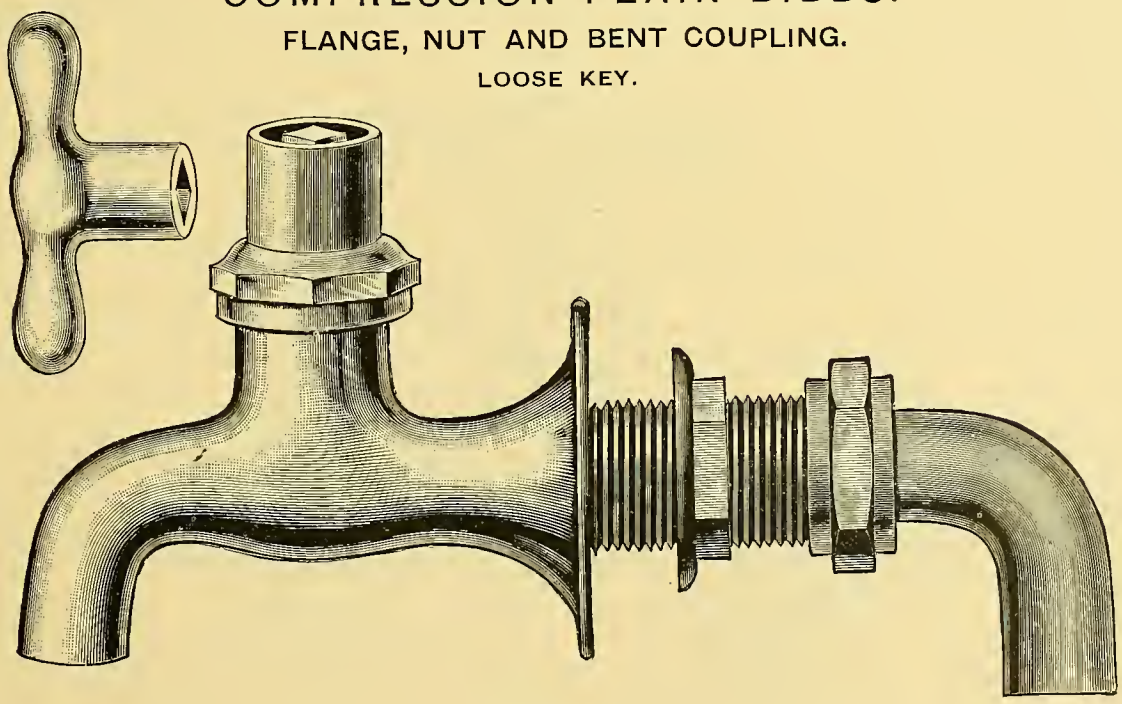
A—140.

Size,	½	⅝	¾ in.
Finished, per doz.,	$24.00 Baccate.	27.00 Baccbant.	35.00 Bacchic.
Nickel Plated, per doz.,	$27.50 Bace.	30.50 Backboard.	39.00 Backed.

COMPRESSION PLAIN BIBBS.

FLANGE, NUT AND BENT COUPLING.

LOOSE KEY.

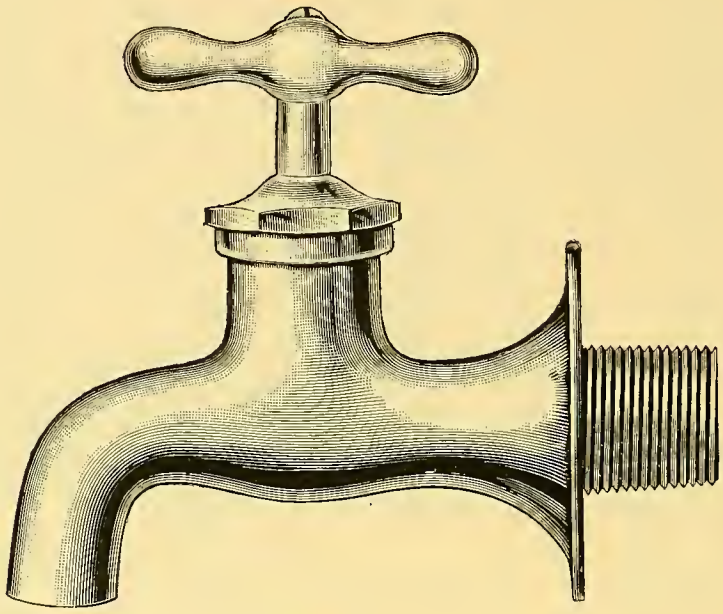


A—141.

Size,	½	⅝	¾ in.
Finished, per doz.,	$31.00 Baal.	38.00 Babion.	51.00 Bablah
Nickel Plated, per doz.,	$34.50 Babylon.	41.50 Bac.	55.00 Bacca.

COMPRESSION PLAIN BIBBS, WITH FLANGE.

FOR IRON PIPE.

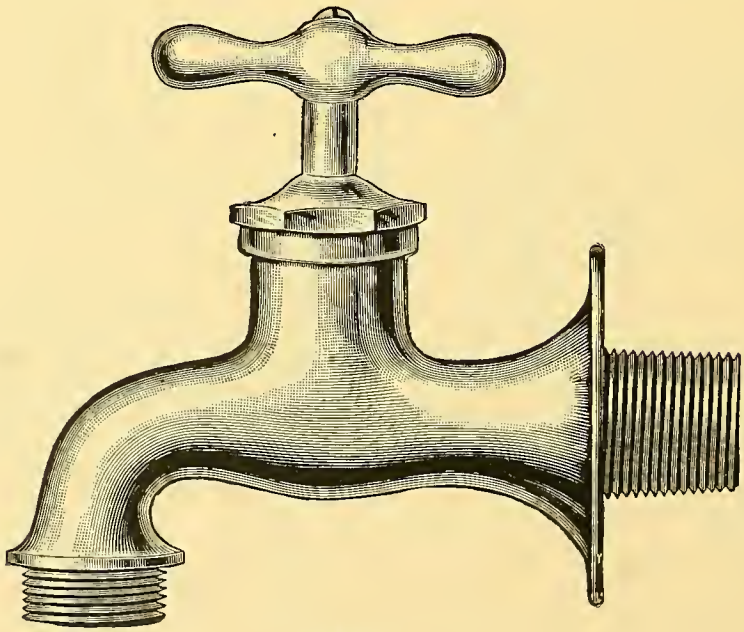


A—142.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$16.00 Bacy.	17.50 Backshish.	25.00 Backstaff.	46.00 Backsword.
Nickel Plated, per doz.,	$18.50 Backwater.	20.00 Bacule.	27.50 Backsight.	49.00 Backset.

COMPRESSION HOSE BIBBS, WITH FLANGE.

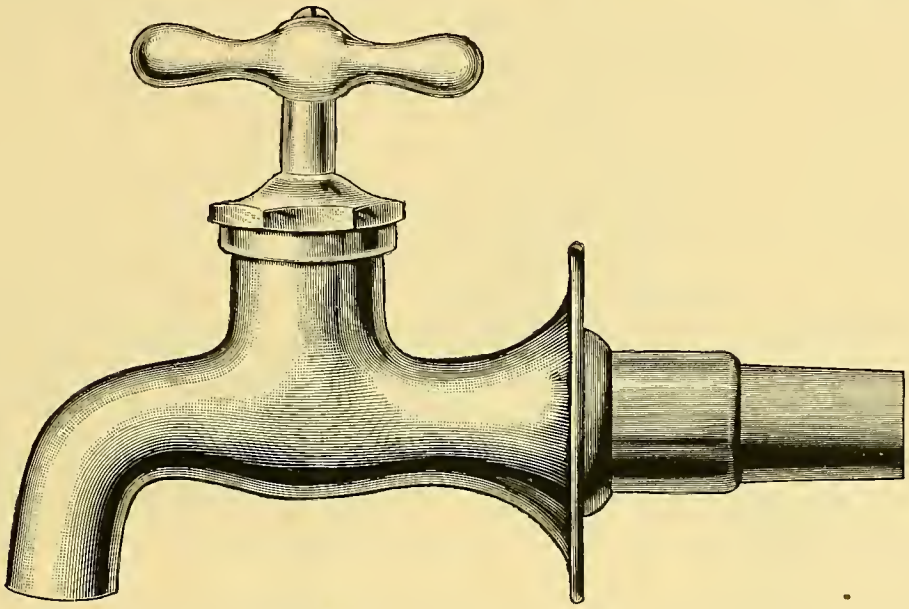
FOR IRON PIPE.



A—143.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$17.00 Baddish.	18.50 Badigeon.	27.00 Badly.	49.00 Badness.
Nickel Plated, per doz.,	$19.50 Baelfire.	21.00 Baftas.	29.50 Bag.	52.00 Bagasse.

COMPRESSION PLAIN BIBBS, FLANGE AND THIMBLE.

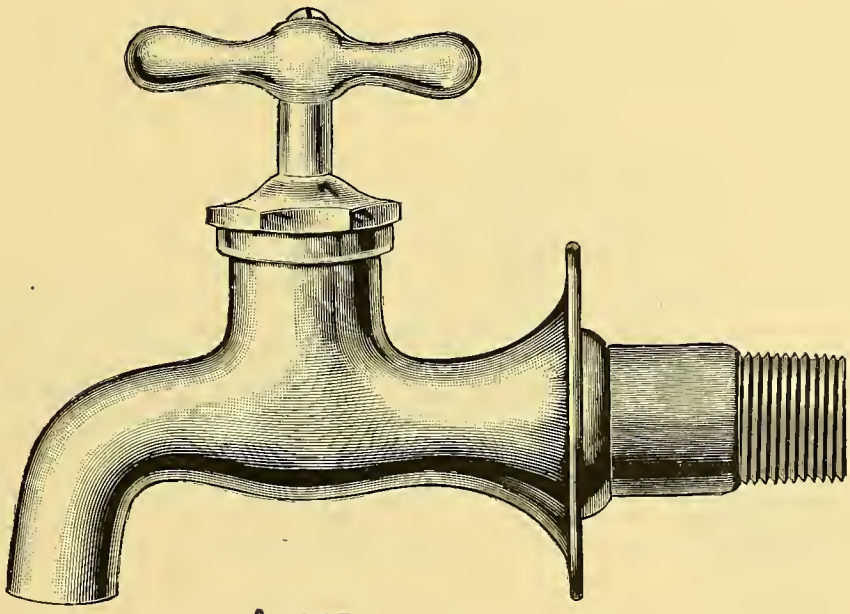


A—144.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$16.00 Baa.	18.00 Babble.	21.00 Babe.	28.00 Baboon.	51.00 Baby.
Nickel Plated, per doz.,	$19.00 Babyish.	21.50 Bachelor.	24.50 Back.	32.00 Backbite.	55.00 Backbone.
Add for Hose End, per doz.,	$1.00 Bade.	1.00 Badge.	1.00 Badger.	2.00 Badinage.	3.00 Baffle.

COMPRESSION PLAIN BIBBS, FLANGE AND THIMBLE.

FOR IRON PIPE.

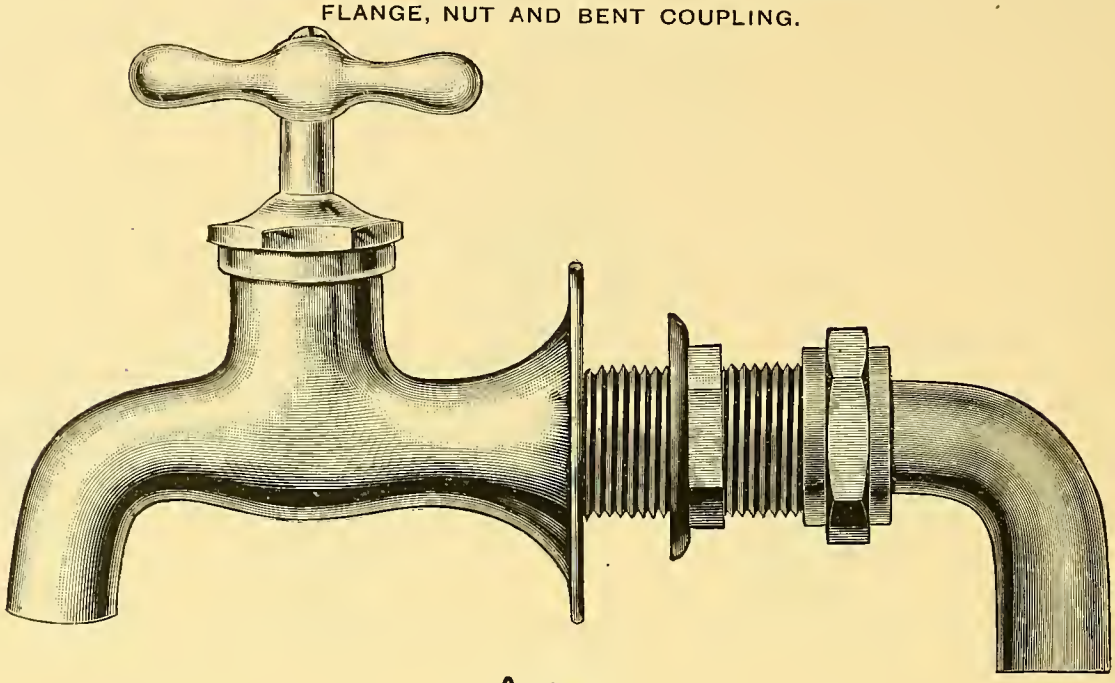


A—145.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$17.00 Buggala.	19.00 Baggy.	23.00 Bagman.	30.50 Bagnet.	54.00 Bagreef.
Nickel Plated, per doz.,	$20.00 Bagnette.	22.50 Bah.	26.50 Bahar.	34.50 Barre.	58.00 Baigne.

COMPRESSION PLAIN BIBBS.

FLANGE, NUT AND BENT COUPLING.

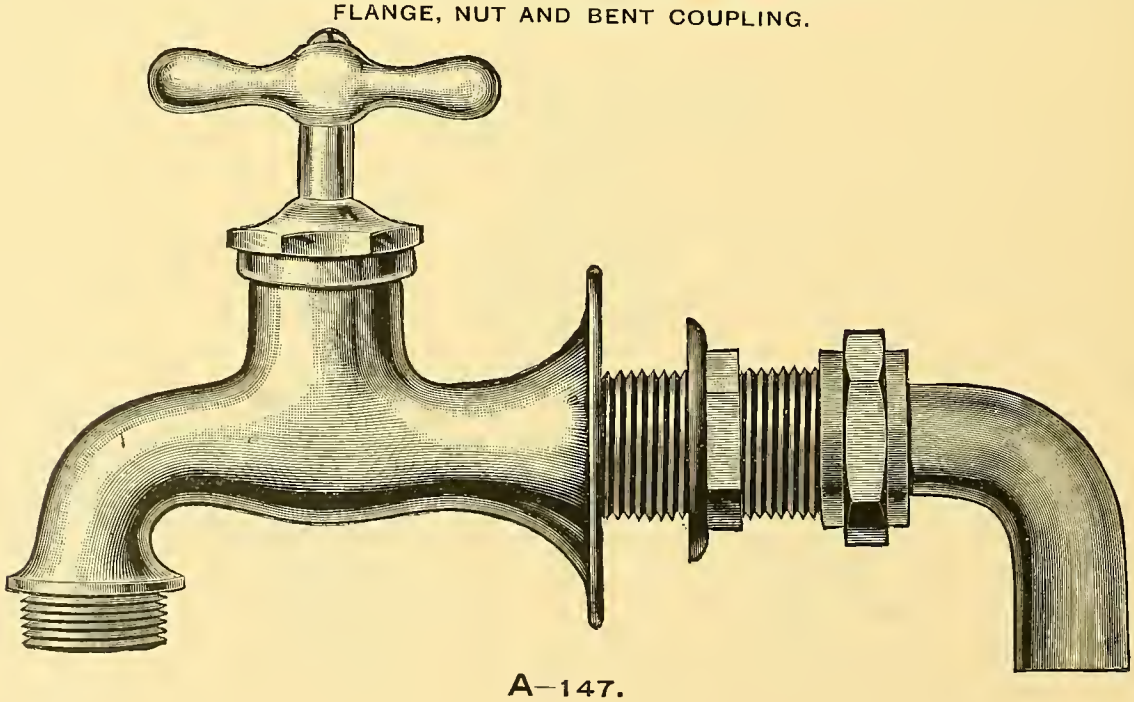


A—146.

Size,	½	⅝	¾ in.
Finished, per doz.,	$25.00 Bay.	32.00 Baggage.	44.00 Bagging.
Nickel Plated, per doz.,	$28.50 Bagpipe.	35.50 Bail.	48.00 Bailable.

COMPRESSION HOSE BIBBS.

FLANGE, NUT AND BENT COUPLING.

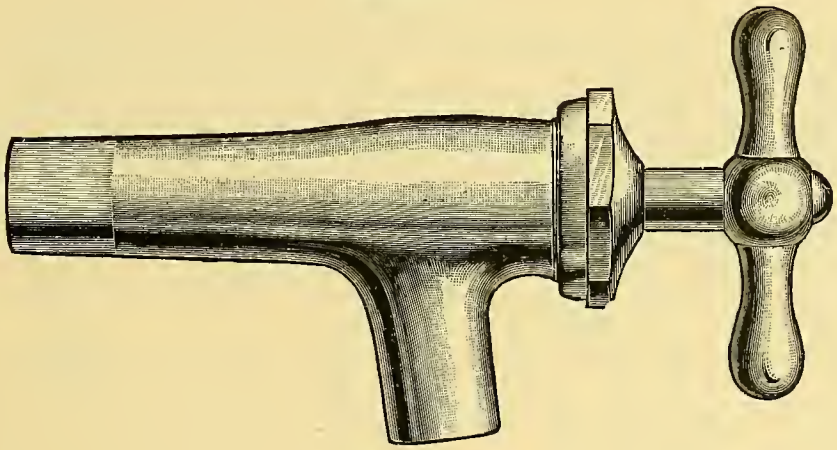


A—147.

Size,	½	⅝	¾ in.
Finished, per doz.,	$26.00 Bailpiece.	33.00 Bain.	46.00 Bairn.
Nickel Plated, per doz.,	$29.50 Balaam.	36.50 Balanite.	50.00 Balase.

COMPRESSION WASH TRAY BIBBS.

STRAIGHT.

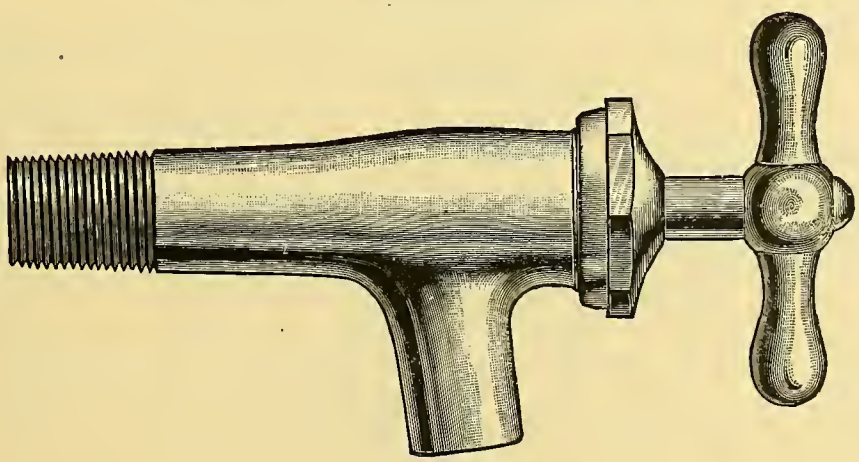


A—148.

Size,	½	⅝	¾ in.
Finished, per doz.,	$11.00 Bailer.	13.00 Bait.	19.00 Baize.
Nickel Plated, per doz.,	$13.50 Bakery.	15.50 Baking.	21.50 Balance.

COMPRESSION WASH TRAY BIBBS, STRAIGHT.

FOR IRON PIPE, WITHOUT SHOULDER.

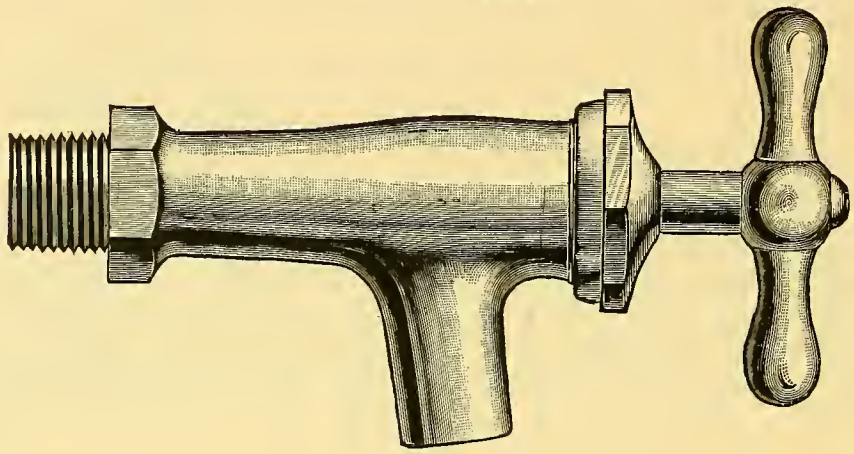


A—149.

Size,	½	⅝	¾ in.
Finished, per doz.,	$12.00 Baldness.	14.00 Baldric.	21.00 Bale.
Nickel Plated, per doz.,	$14.50 Ball.	16.50 Ballad.	23.50 Ballast.

COMPRESSION WASH TRAY BIBBS, STRAIGHT.

FOR IRON PIPE.

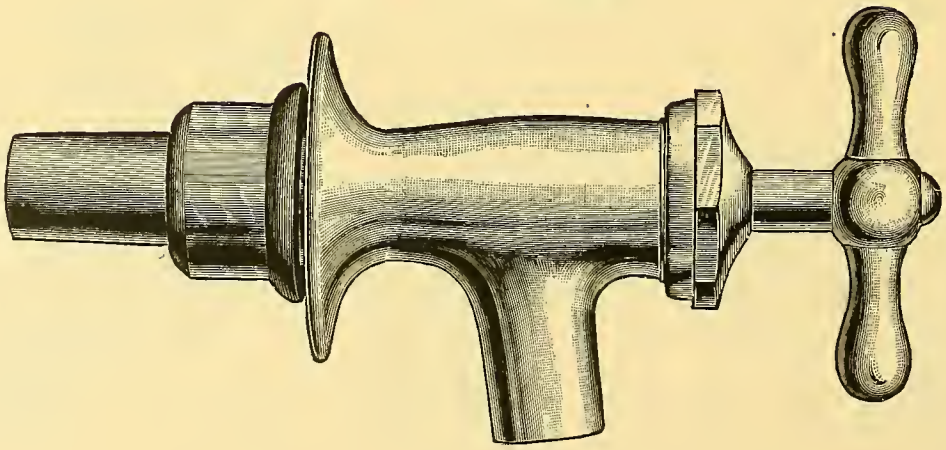


A—150.

Size,	½	⅝	¾ in.
Finished, per doz.,	$12.00 Balm.	14.00 Balmy.	21.00 Balneal.
Nickel Plated, per doz.,	$14.50 Baluster.	16.50 Bamboo.	23.50 Ban.

COMPRESSION WASH TRAY BIBBS, STRAIGHT.

FLANGE AND THIMBLE.

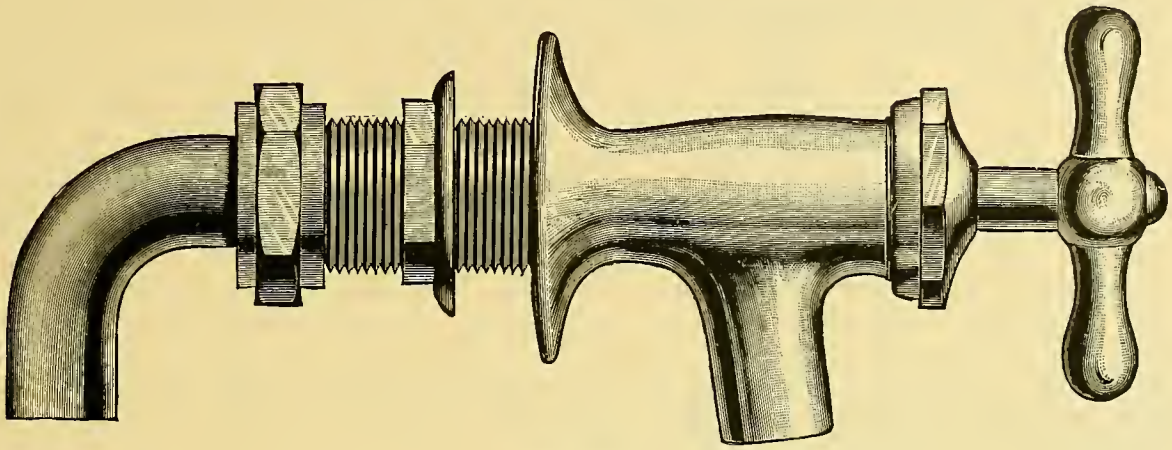


A—151.

Size,	½	⅝	¾ in.
Finished, per doz.,	$19.00 Bandage.	22.00 Bandana.	30.00 Bandbox.
Nickel Plated, per doz.,	$22.50 Bandrol.	25.50 Bane.	34.00 Baneful.

COMPRESSION WASH TRAY BIBBS, STRAIGHT.

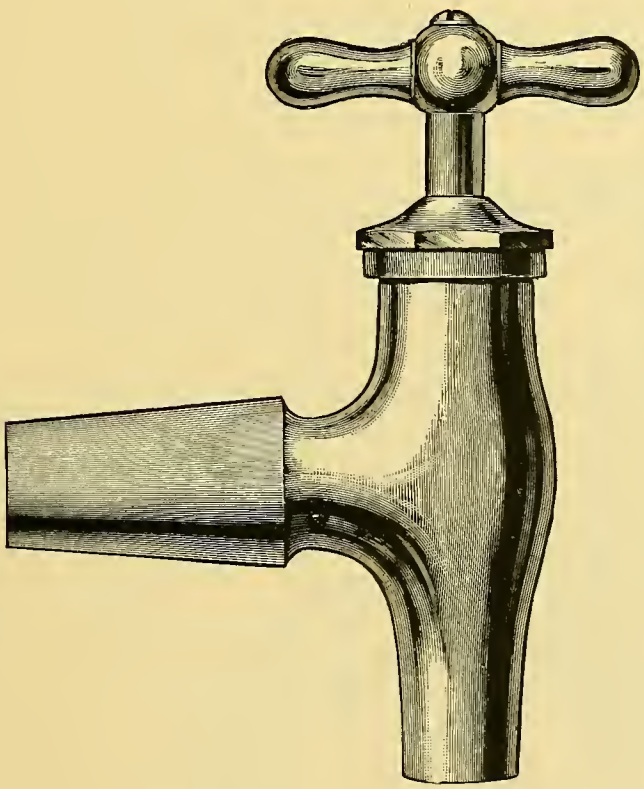
FLANGE, NUT AND BENT COUPLING.



A—152.

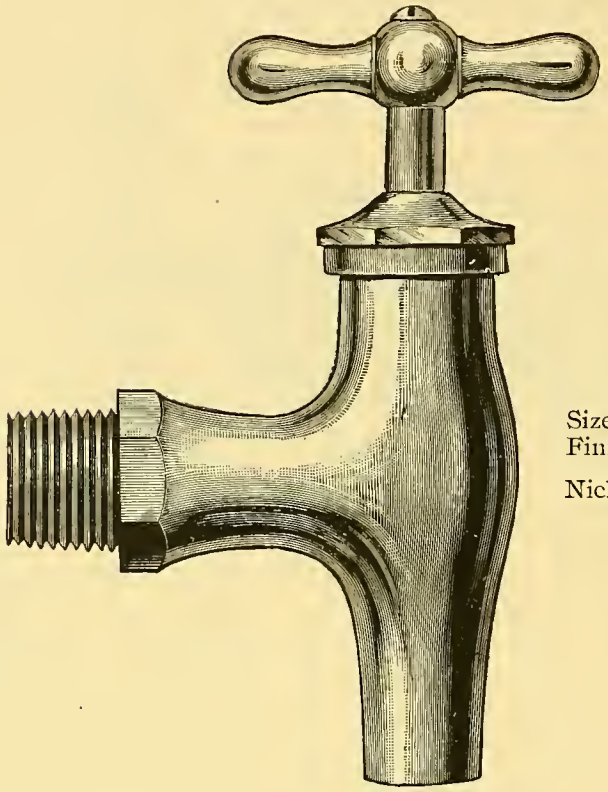
Size,	½	⅝	¾ in.
Finished, per doz.,	$26.00 Banian.	33.00 Banish.	46.00 Bank.
Nickle Plated, per doz.,	$29.50 Bankable.	36.50 Banker.	50.00 Banking.

COMPRESSION BATH BIBBS.



A—153.

Size,	½	⅝	¾ in.
Finished, per doz.,	$14.00 Bankrupt.	17.00 Bankstock.	26.00 Banner.
Nickel Plated, per doz.,	$16.50 Banqnet.	19.50 Bantam.	28.50 Banter

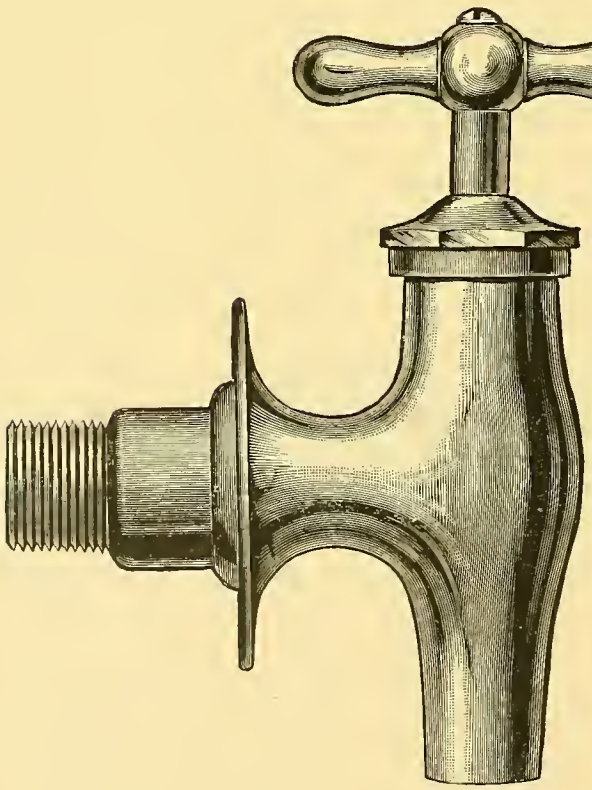


A—154.

COMPRESSION BATH BIBBS,

FOR IRON PIPE.

Size,	½	⅝	¾ in.
Finished, per doz,	$15.00 Bar.	18.00 Barb.	28.00 Barbaric.
Nickel plated, per doz.,	$17.50 Barbecue.	20.50 Barber.	30.50 Bardick.



A—155.

COMPRESSION BATH BIBBS.

FLANGE AND THIMBLE.

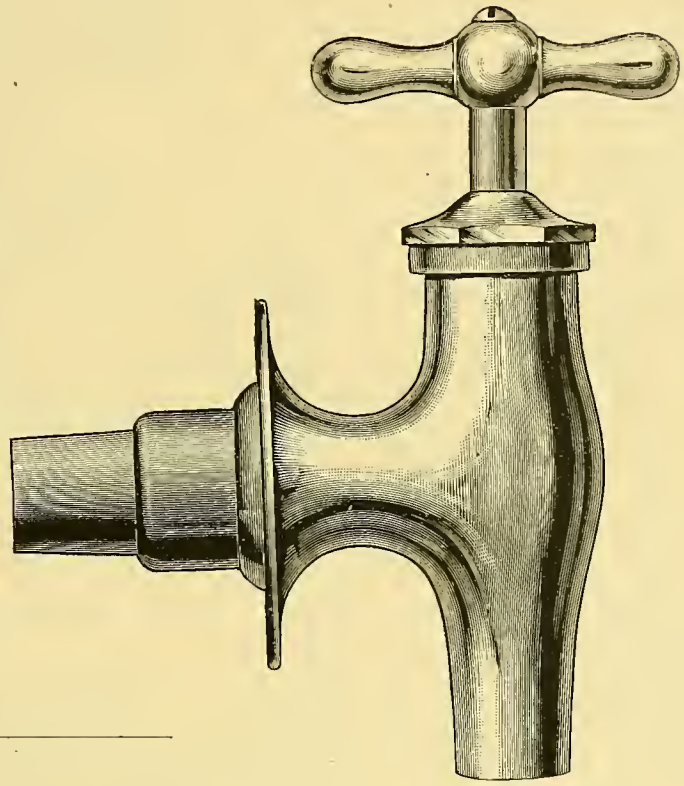
THIMBLE FOR IRON PIPE.

Size,	½	⅝	¾ in.
Finished, per doz.,	$23.00 Barbadoes.	27.00 Barbacan	38.00 Barbara.
Nickel Plated, per doz.,	$26.50 Barbate.	30.50 Barbel.	42 00 Barbule.

COMPRESSION BATH BIBBS.

FLANGE AND THIMBLE.

Size,	½	⅝	¾ in.
Finished, per doz.,	$22.00 Baritone.	26.00 Bark.	36.00 Basting.
Nickel Plated, per doz.,	$25.50 Barn.	29.50 Barnade.	40.00 Baron.



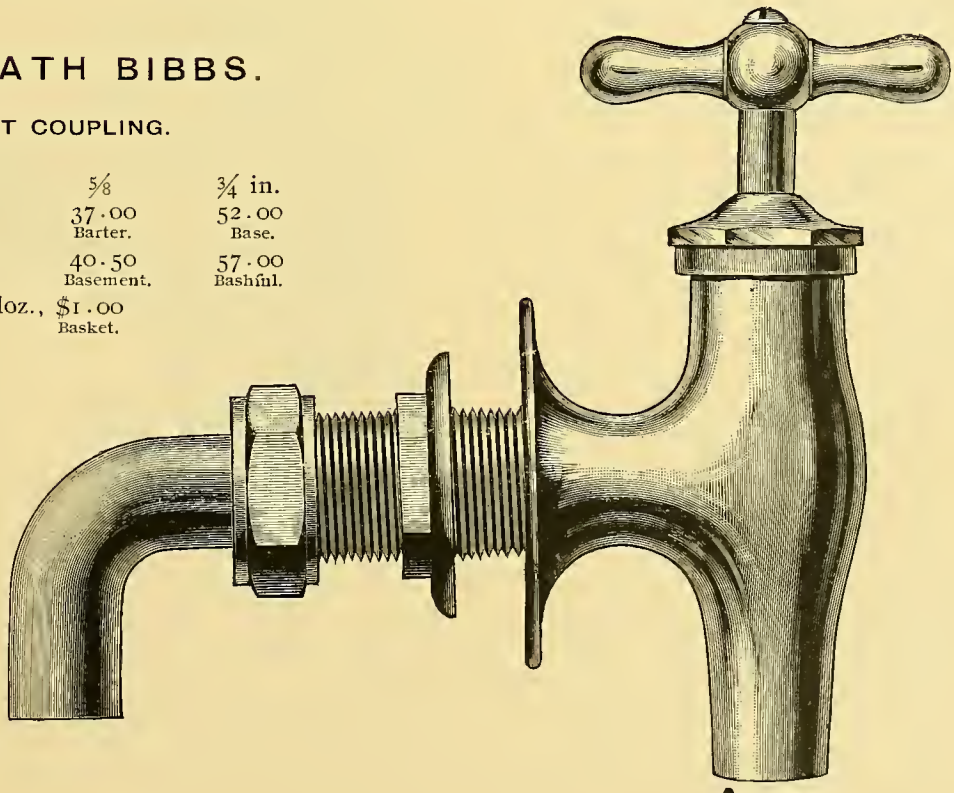
A—156.

COMPRESSION BATH BIBBS.

FLANGE, NUT AND BENT COUPLING.

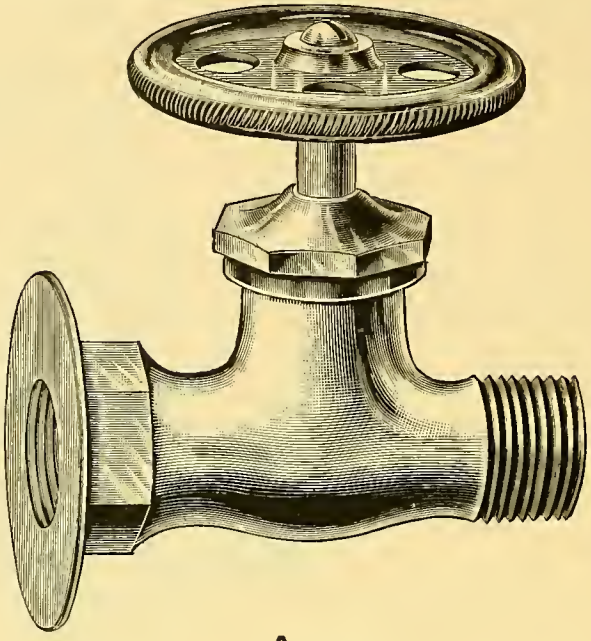
Size,	½	⅝	¾ in.
Finished, per doz.,	$29.00 Barrier.	37.00 Barter.	52.00 Base.
Nickel Plated, per doz.,	$32.50 Baseless.	40.50 Basement.	57.00 Bashful.

Add for Hose End, per doz., $1.00 Basket.



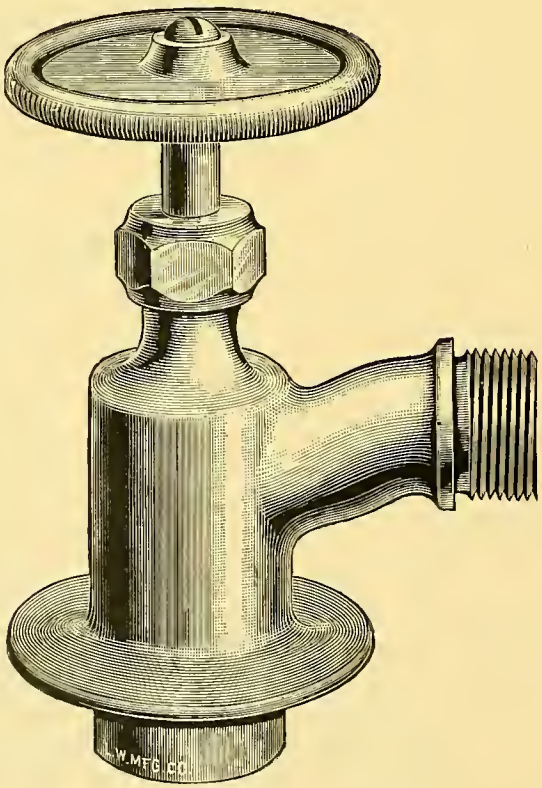
A—157.

COMPRESSION SILL COCKS.



A—158.

Size,	½	¾ in.
Finished, per doz.,	$20.00 Basque.	20.00 Basset.
Nickel Plated, per doz.,	$23.00 Bast	23.00 Bastinate.

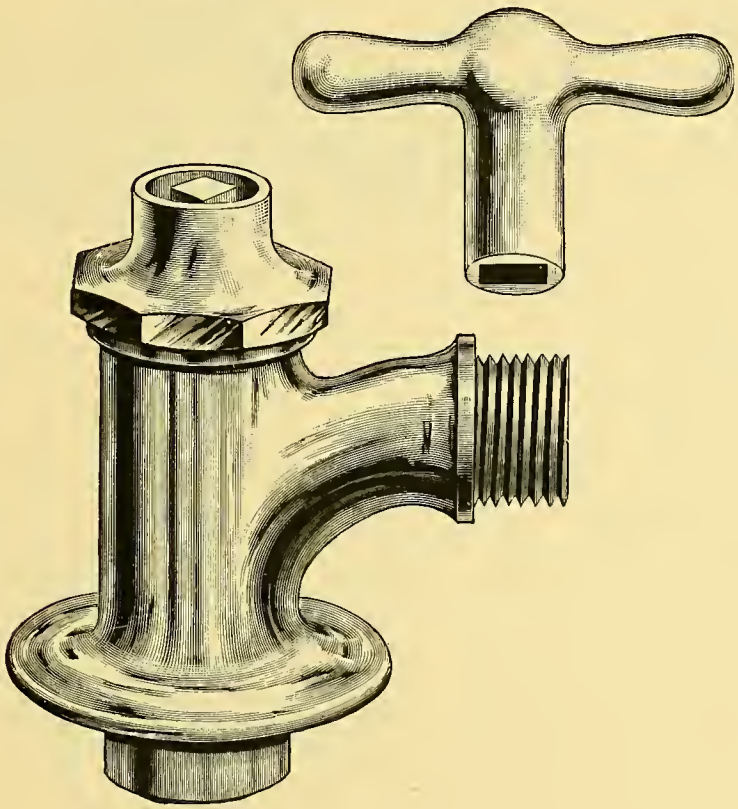


A—159.

Size,	½	¾ in.
Finished, for Lead Pipe, per doz.,	$28.00 Beauty.	28.00 Beaver.
Nickel Plated, for Lead Pipe, per doz.,	$32.00 Became.	32.00 Because.
Finished, for Iron Pipe, per doz.,	$29.50 Beck.	29.50 Beckon.
Nickel Plated, for Iron Pipe, per doz.,	$33.50 Become.	33.50 Bed.

COMPRESSION SILL COCKS.

LOOSE KEY.

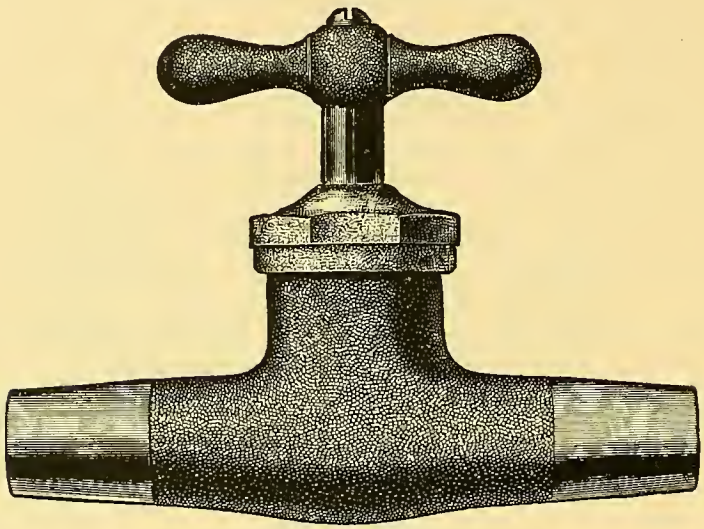


A—160.

Size,	½	¾ in.
Finished, per doz.,	$34.00 Bask.	34.00 Bassa.
Nickel Plated, per doz.,	$38.00 Bassorine.	38.00 Basyle.

COMPRESSION STOPS.

ROUGH.

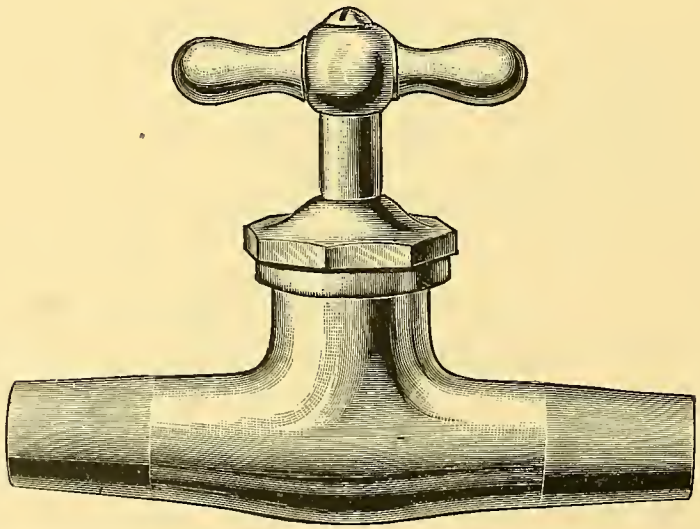


A—161.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2 in.
Rough, per doz.,	$9.50 Bedazzel.	10.50 Bedding.	12.00 Bedeck.	18.50 Bedew.	32.00 Bedim.	48.00 Bedlam.	84.00 Bedrench.

COMPRESSION STOPS.

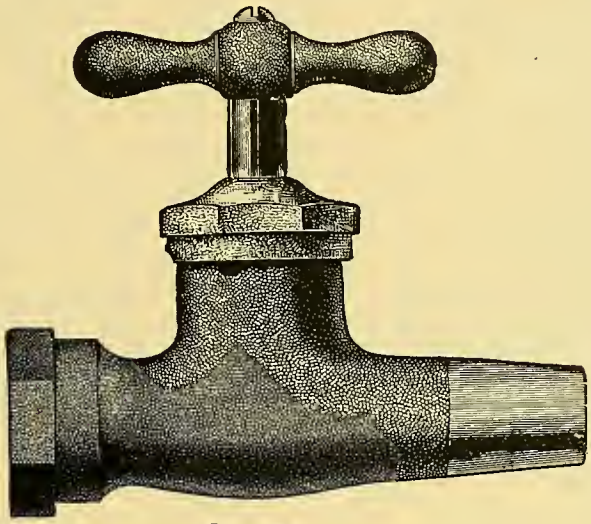
FINISHED OR PLATED.



A—162.

Size,	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2 in.
Finished, per doz.,	$10.00 Bedstead.	11.00 Bedwarf.	13.00 Bee.	19.50 Beech.	36.00 Beechen.	56.00 Beef.	96.00 Beehive.
Nickel Plated, per doz.,	$12.00 Been.	13.50 Beer.	15.50 Beeswax.	22.00 Beet.	39.00 Beetle.		

COMPRESSION STOPS, FOR LEAD AND IRON PIPE.



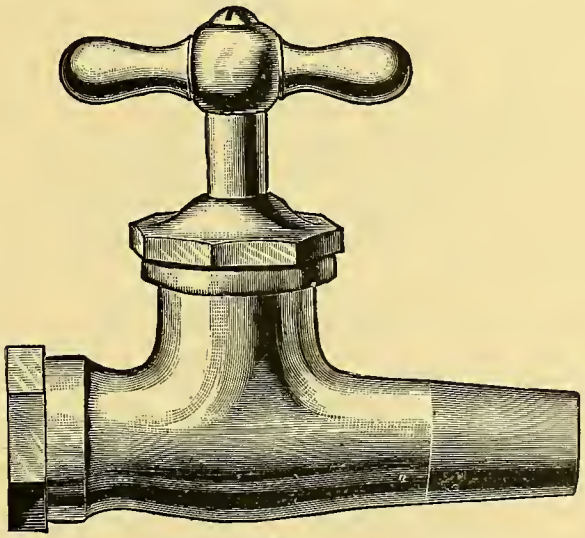
A—163.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$10.00 Befoul.	11.00 Befriend.	13.00 Befringe.	19.50 Beg.	33.50 Beget.

NOTE—**A-163** will always be furnished with **Iron Pipe End** for **Pressure** unless otherwise ordered.

COMPRESSION STOPS, FOR LEAD AND IRON PIPE.

FINISHED OR PLATED.



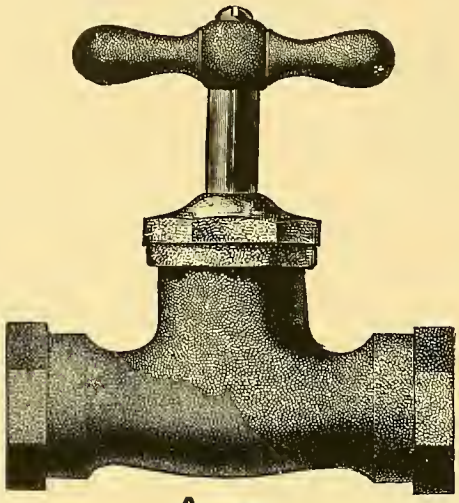
A—164.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$10.50 Beggar.	11.50 Beggary.	14.00 Begging.	20.50 Begin.	37.50 Beginner.
Nickel Plated, per doz.,	$12.50 Begird.	14.00 Begone.	16.50 Begrudge.	23.00 Beguile.	40.00 Begum.

NOTE—**A-164** will always be furnished with **Iron Pipe End** for **Pressure** unless otherwise ordered.

COMPRESSION STOPS, FOR IRON PIPE.

ROUGH.

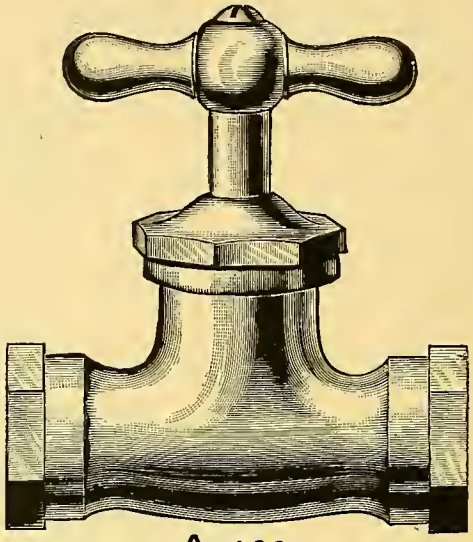


A—165.

Size,	3/8	1/2	5/8	3/4 in.
Rough, per doz ,	$10.50 Belt.	11.50 Bemire.	14.00 Bemoan.	20.50 Bench.

Size,	1	1 1/4	1 1/2 in.
Rough, per doz.,	$35.00 Bencher.	52.00 Bend.	90.00 Beneath.

FINISHED OR PLATED.



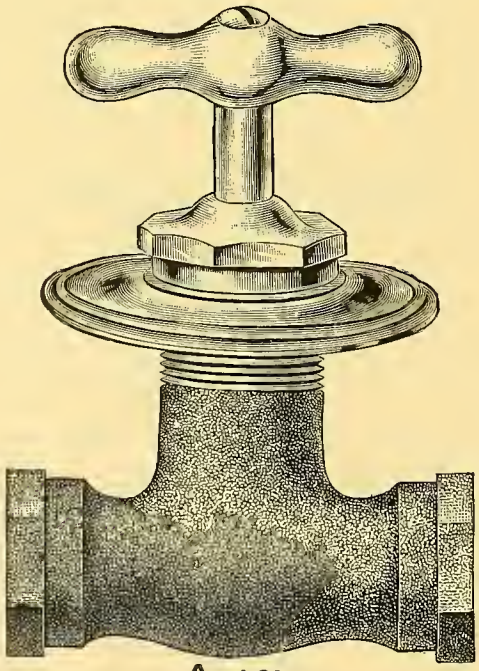
A—166.

Size,	3/8	1/2	5/8	3/4 in.
Finished, per doz.,	$11.00 Benefice.	12.00 Benefit.	15.00 Benight.	21 50 Benign.
Nickel Plated, per doz.,	$13 00 Benzoin.	14.50 Bequeath.	17.50 Bequest.	24.00 Berate.

Size,	1	1 1/4	1 1/2 in.
Finished, per doz.,	$39.00 Benison.	60.00 Bent.	102.00 Benumb.
Nickel Plated, per doz.,	$42.00 Bereave.		

COMPRESSION ROUGH STOPS.

FOR IRON PIPE.



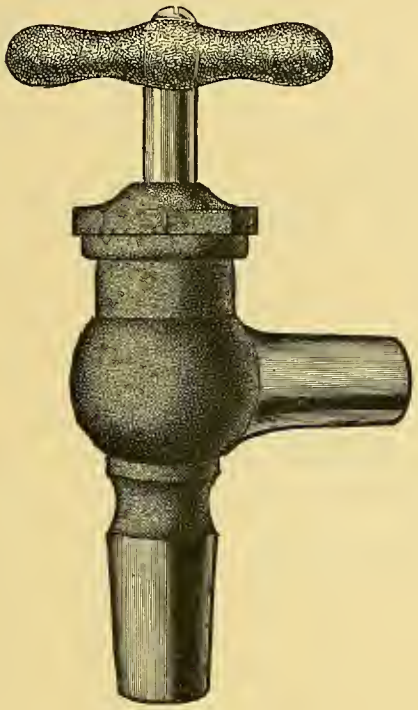
A—167.

FINISHED FLANGE AND HANDLE.

Size,	1/2	5/8	3/4	1 in.
Finished Flange and Handle, per doz.,	$23.00 Bedark.	28.50 Bedder.	38.00 Bedead.	49.00 Bedel.
Nickel Plated Flange and Handle, per doz.,	$25.50 Bedfere.	31.00 Bedight	40.50 Bedote.	52.00 Bedouin.

ANGLE COMPRESSION STOPS.

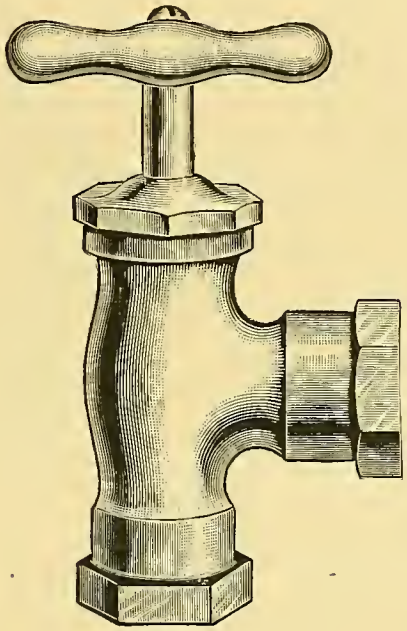
FOR LEAD PIPE.



A—168.

Size,	½	⅝	¾ in.
Rough, per doz.,	$9.50 Bedaff.	11.00 Bedaggle.	16.50 Bedare.

FOR IRON PIPE.

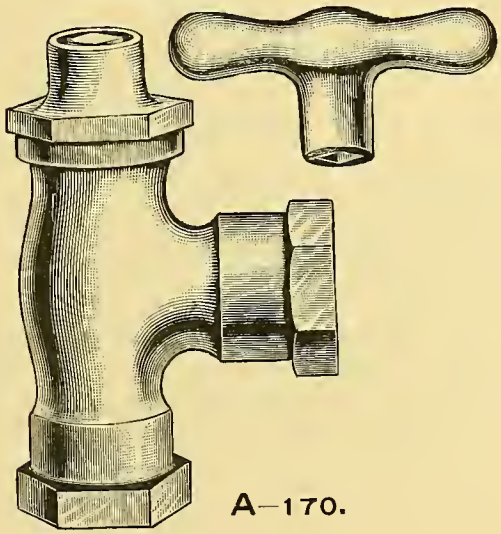


A—169.

Size.	½	¾ in.
Finished, per doz.,	$12.00 Bedalf.	21.50 Bedabble.
Nickel Plated, per doz.,	$14.50 Bedagat.	24.00 Bedbug.

ANGLE COMPRESSION STOPS.

LOOSE KEY.

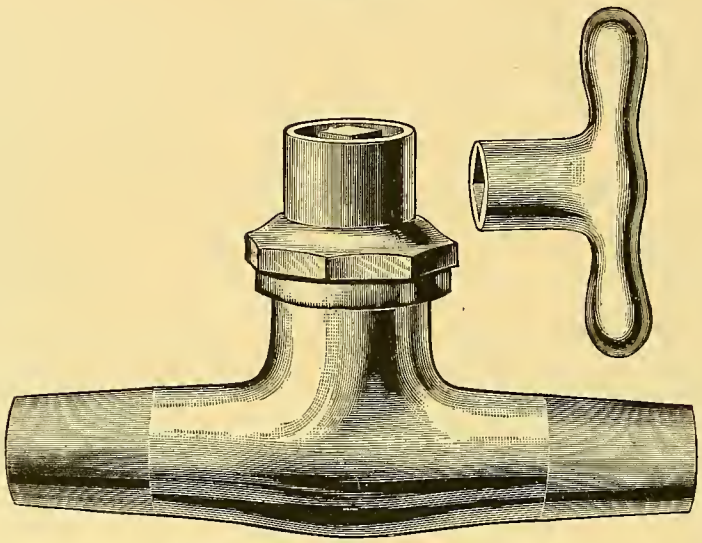


A—170.

Size,	½	¾ in.
Finished, per doz.,	$18.00 Bedchair.	28.50 Bedclothes.
Nickel Plated, per doz.,	$20.50 Bedetter.	31.00 Bedelry.

COMPRESSION STOPS.

LOOSE KEY.

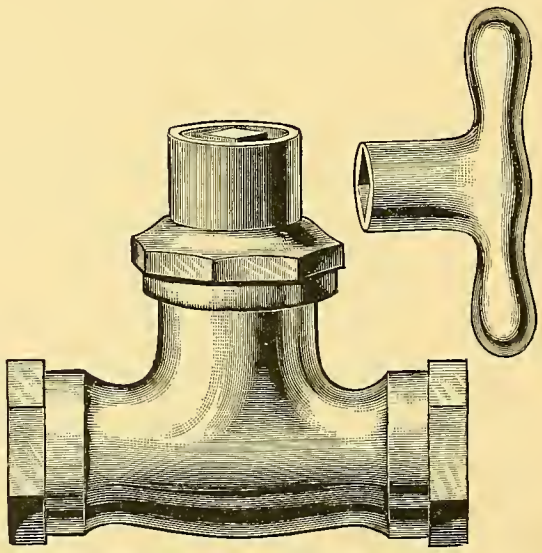


A—171.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$16.50 Behold.	18.00 Beholder.	25.50 Behoof.	40.00 Behave.
Finished, per doz.,	$17.00 Being.	19.00 Belabom.	26.50 Belate.	44.00 Belated
Nickel Plated, per doz.,	$19.50 Belay.	21.50 Belch.	29.00 Beldam.	47.00 Belfry.

COMPRESSION STOPS, FOR IRON PIPE.

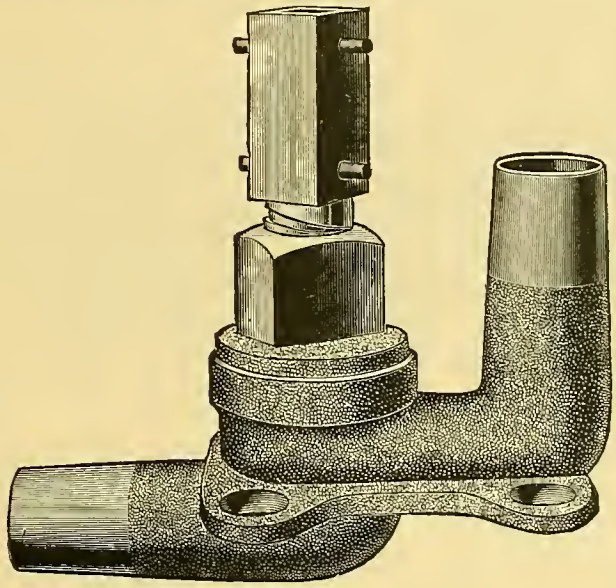
LOOSE KEY.



A—172.

Size,	½	¾	1	1¼ in.
Rough, per doz.,	$17.50 Belial.	27.50 Belie.	43.00 Belief.	64.00 Believe.
Finished, per doz.,	$18.00 Bell.	28.50 Bellman.	47.00 Bellow.	72.00
Nickel Plated, per doz.,	$20.50 Belong.	31.00 Beloved.	50.00 Below.	

COMPRESSION HYDRANT COCKS.

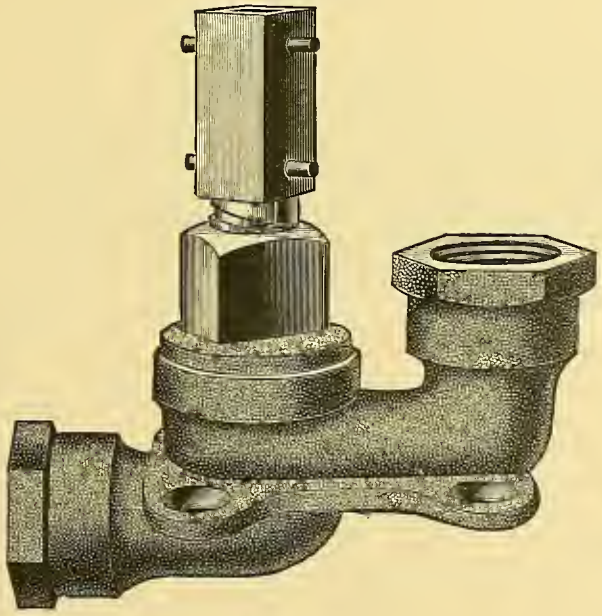


A–173.

Size,	½	⅝	¾	1 in.
Per doz.,	$20.00 Beseem.	22.00 Beseemly.	24.00 Beset.	40.00 Beshrew.

COMPRESSION HYDRANT COCKS.

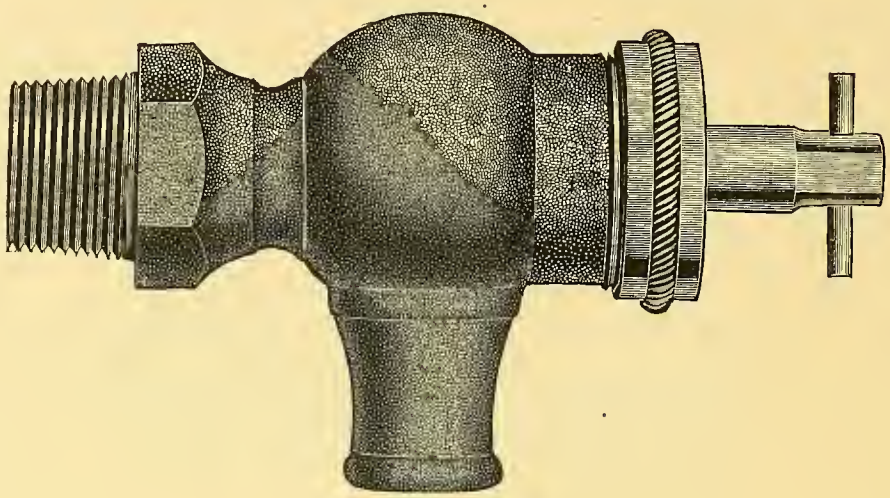
FOR IRON PIPE.



A–174.

Size,	½	⅝	¾	1 in.
Per doz.,	$21.00 Beside.	24.00 Besides.	26.00 Besiege.	43.00 Besmear.

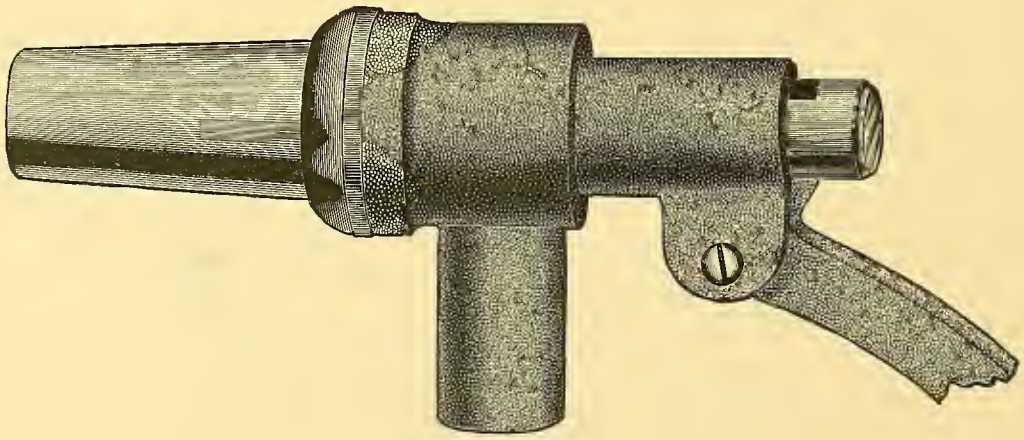
COMPRESSION BALL COCKS.



A—175.

Size,	3/8	1/2	5/8	3/4	1 in.
Per doz.,	$9.50 Besom.	10.50 Besot.	12.00 Bespeak.	19.00 Bespread.	33.00 Best.
For Lead Pipe, per doz.,	$8.50 Bestal.	9.50 Bestar.	11.00 Bestel.	17.00 Bestele.	30.00 Bester.

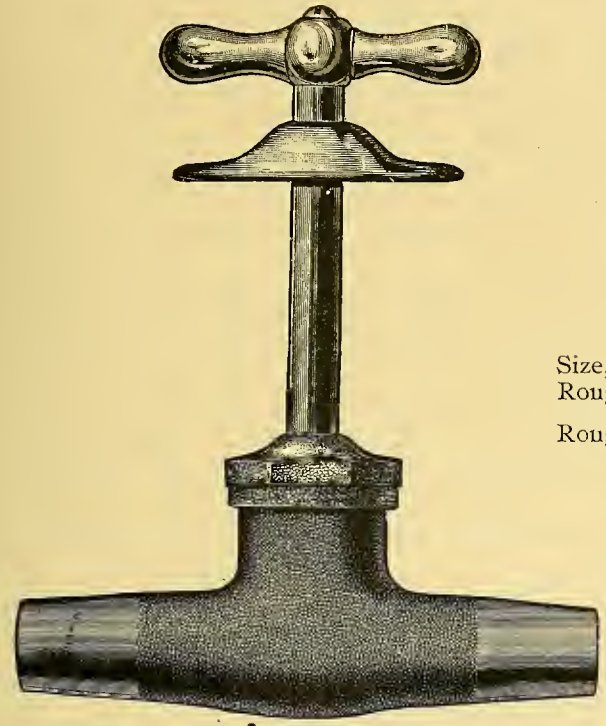
IMPROVED BALL COCKS.



A—176.

Size,	1/2	5/8	3/4	1	1 1/4	1 1/2	2 in.
Plain, per doz.,	$12.00 Bestial.	14.00 Bestir.	20.00 Bestow.	34.00 Bestrew.	56.00 Bestrides.	80.00 Bestud.	150.00 Bet.
With Stop, per doz.,	$20.00 Betake.	22.00 Bethink.	32.00 Betide.	52.00 Betimes.	92.00 Betoken.	136.00 Betook.	250.00 Betray.

6 inch Copper Balls, per doz., . . . $7.00 Betroth.

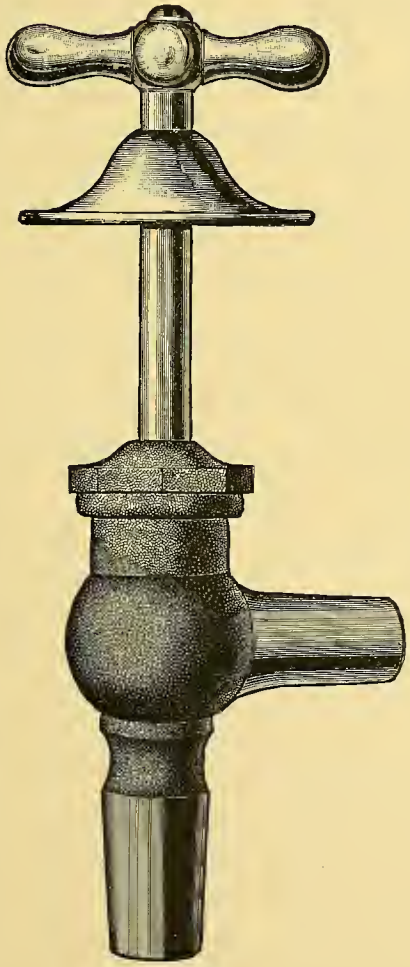


A—177.

COMPRESSION HOPPER COCKS.

STRAIGHT.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$18.00 Betting.	21.00 Better.	28.00 Betty.
Rough, Nickel Plated Flange and Handle, per doz.,	$20.50 Between.	23.50 Bevel.	30.50 Beverage.

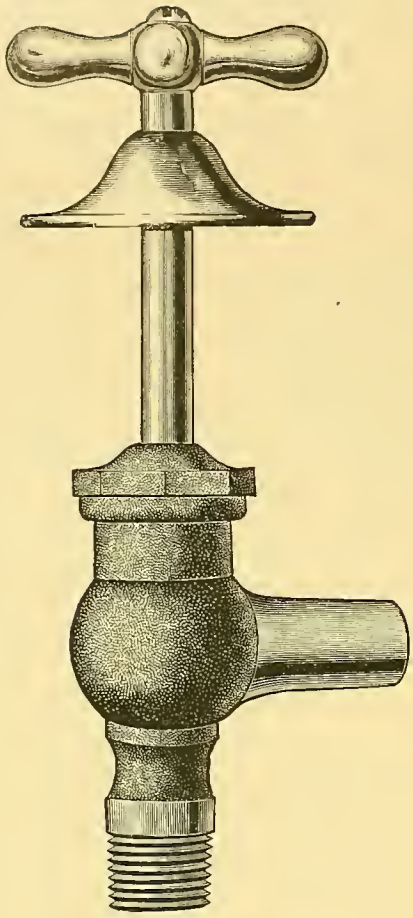


A—178.

COMPRESSION HOPPER COCKS.

ANGLE.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$16.00 Bewitch.	19.00 Bey.	24.00 Beyond.
Rough, Nickel Plated Flange and Handle, per doz.,	$18.50 Bezel.	21.50 Bias.	26.50 Bibb.

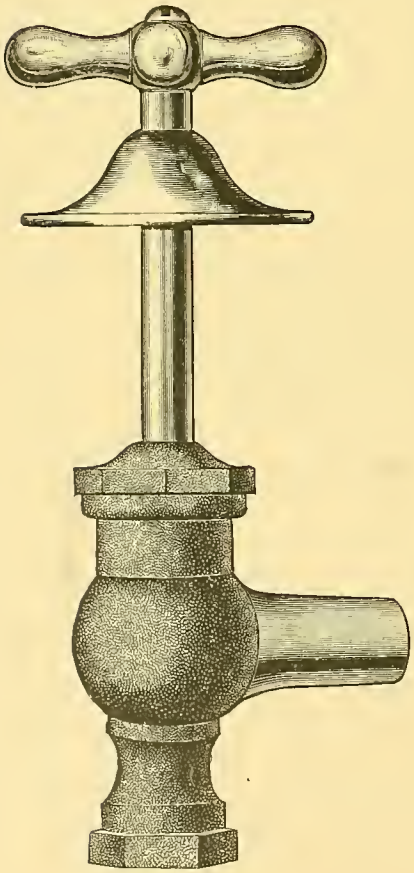


A—179.

ANGLE COMPRESSION HOPPER COCKS.

FOR IRON PIPE, WITHOUT SHOULDER.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$17.00 Bicker.	20.00 Bicorn.	26.00 Bid.
Rough, Nickel Plated Flange and Handle, per doz.,	$19.50 Bidden.	22.50 Bidet.	28.50 Biennial.



A—180.

ANGLE COMPRESSION HOPPER COCKS.

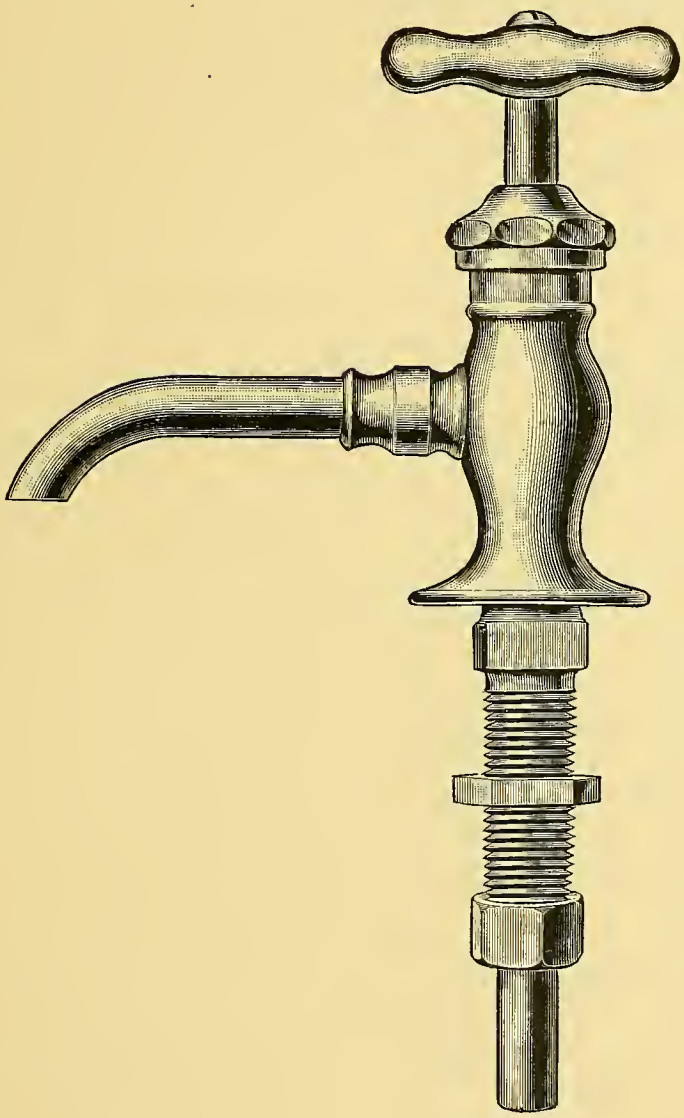
FOR IRON PIPE.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$17.00 Big.	20.00 Bigamy.	26.00 Beggin.
Rough, Nickel Plated Flange and Handle, per doz.,	$19.50 Bight.	22.50 Bigness.	28.50 Bigot.

COMPRESSION BASIN COCKS.

No. 1.

"T" HANDLE.



A—181.

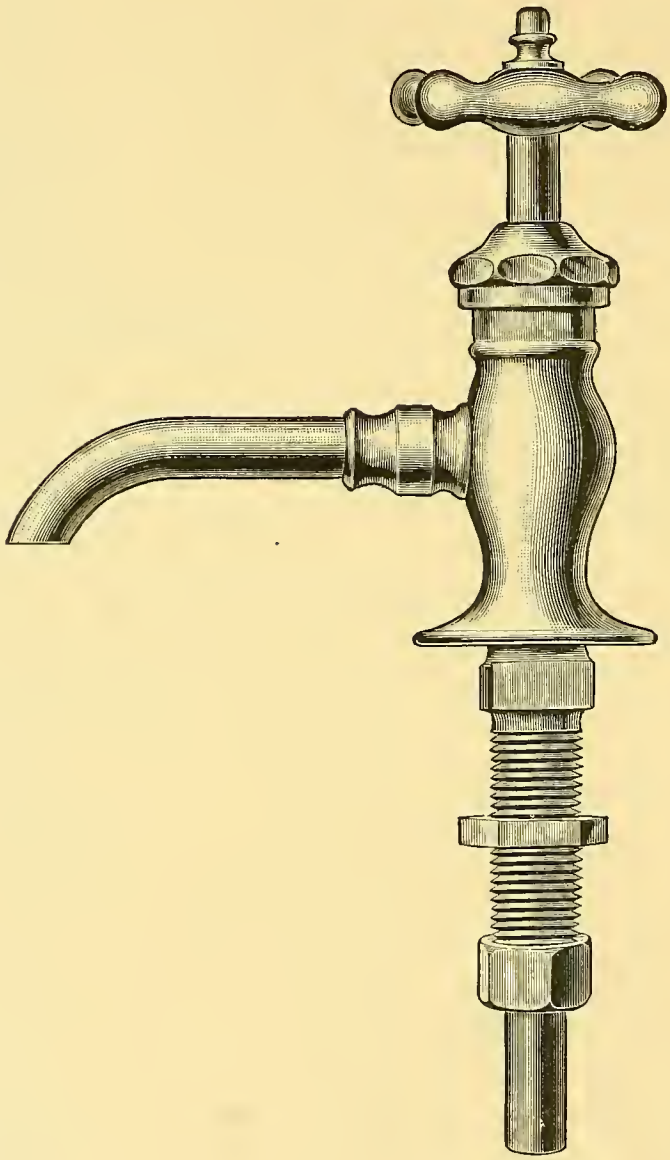
Finished, per doz.,	$16.00 Bilbo.
Nickel Plated, per doz.,	$19.00 Bilge.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION BASIN COCKS.

NO. 2.

CROSS HANDLE.



A—182.

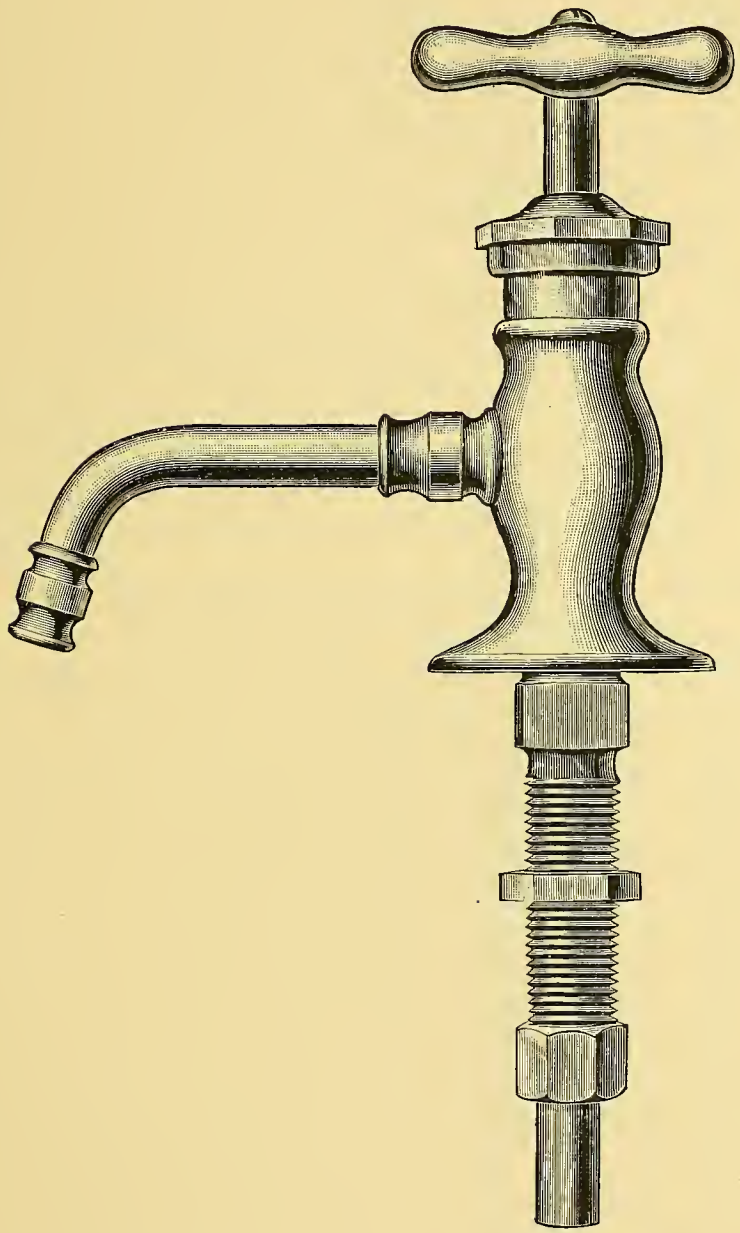
Finished, per doz.,	$19.00	Billiards.
Nickel Plated, per doz.,	$22.00	Billion.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION BASIN COCKS.

N . 3.

"T" HANDLE.



A—183.

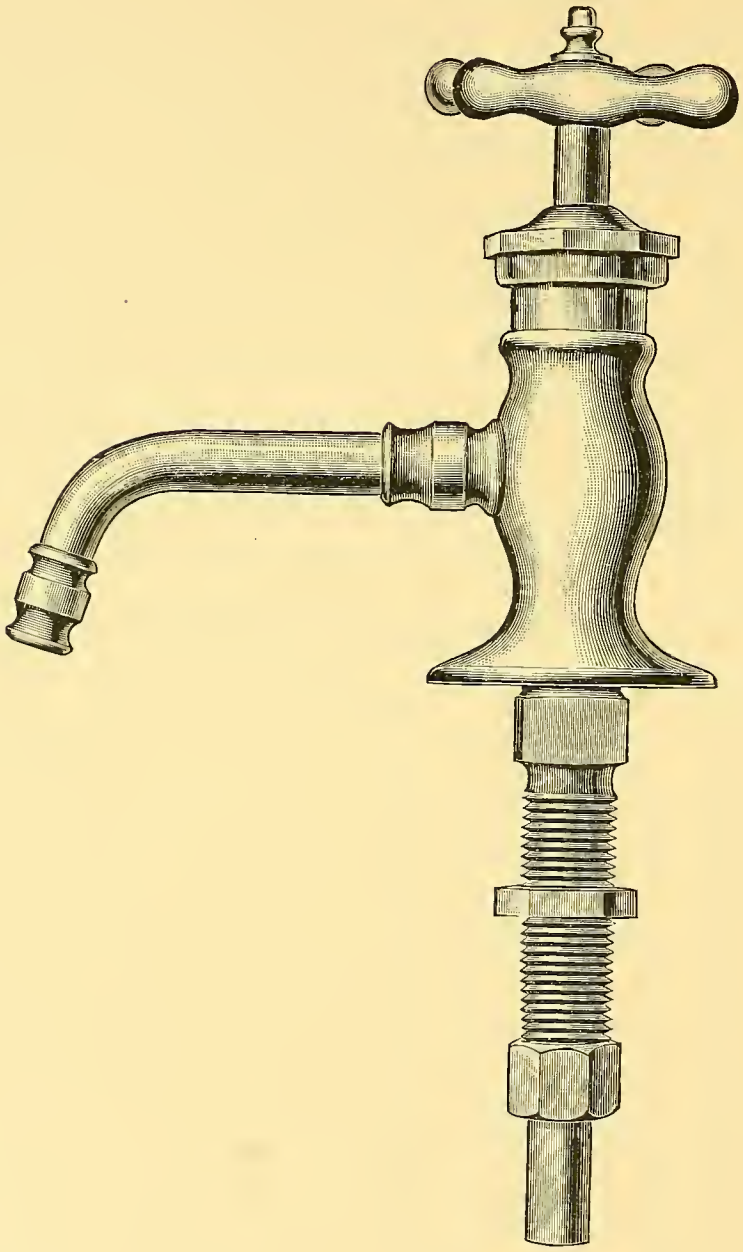
Finished, per doz., ...	$19.00 Binary.
Nickel Plated, per doz., ...	$23.00 Binate.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION BASIN COCKS.

No. 4.

CROSS HANDLE.



A—184.

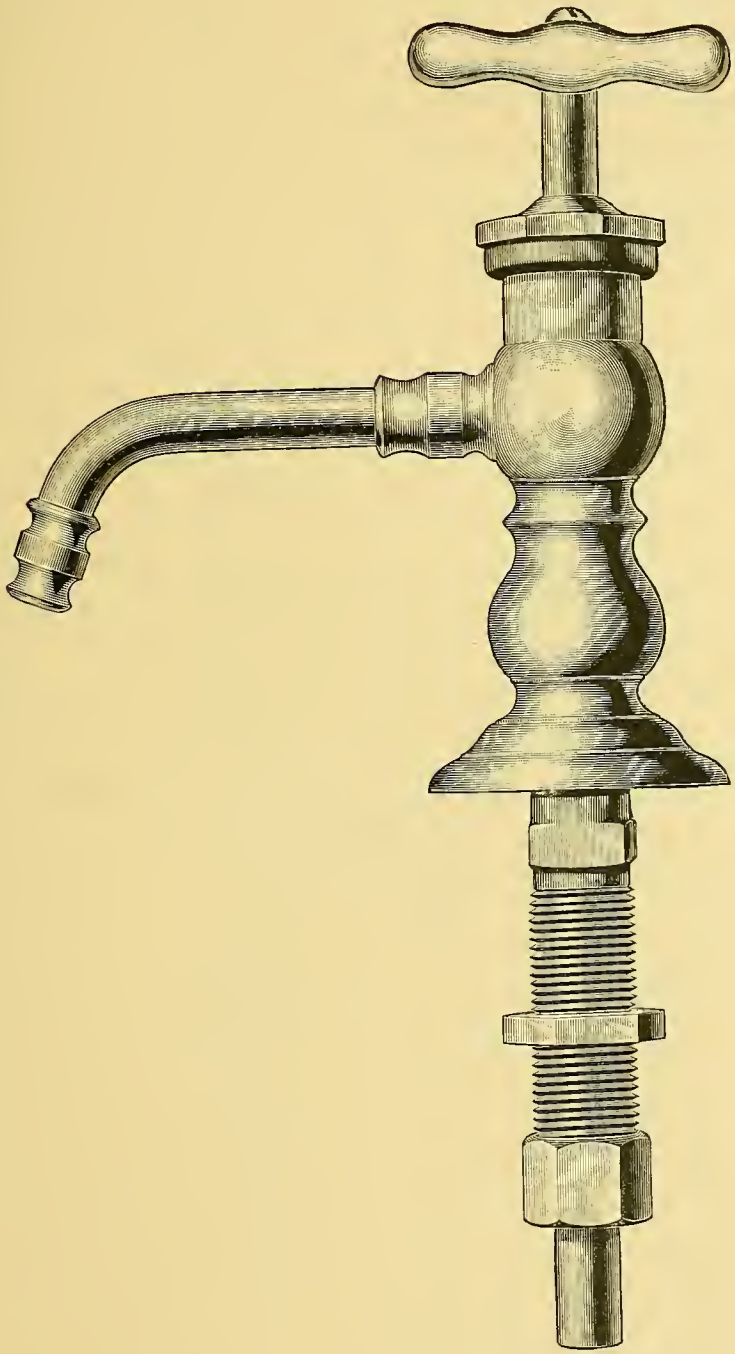
Finished, per doz.,	$22.00 Binnacle.
Nickel Plated, per doz.,	$26.00 Biographer.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION BASIN COCKS.

No. 5.

"T" HANDLE.



A—185.

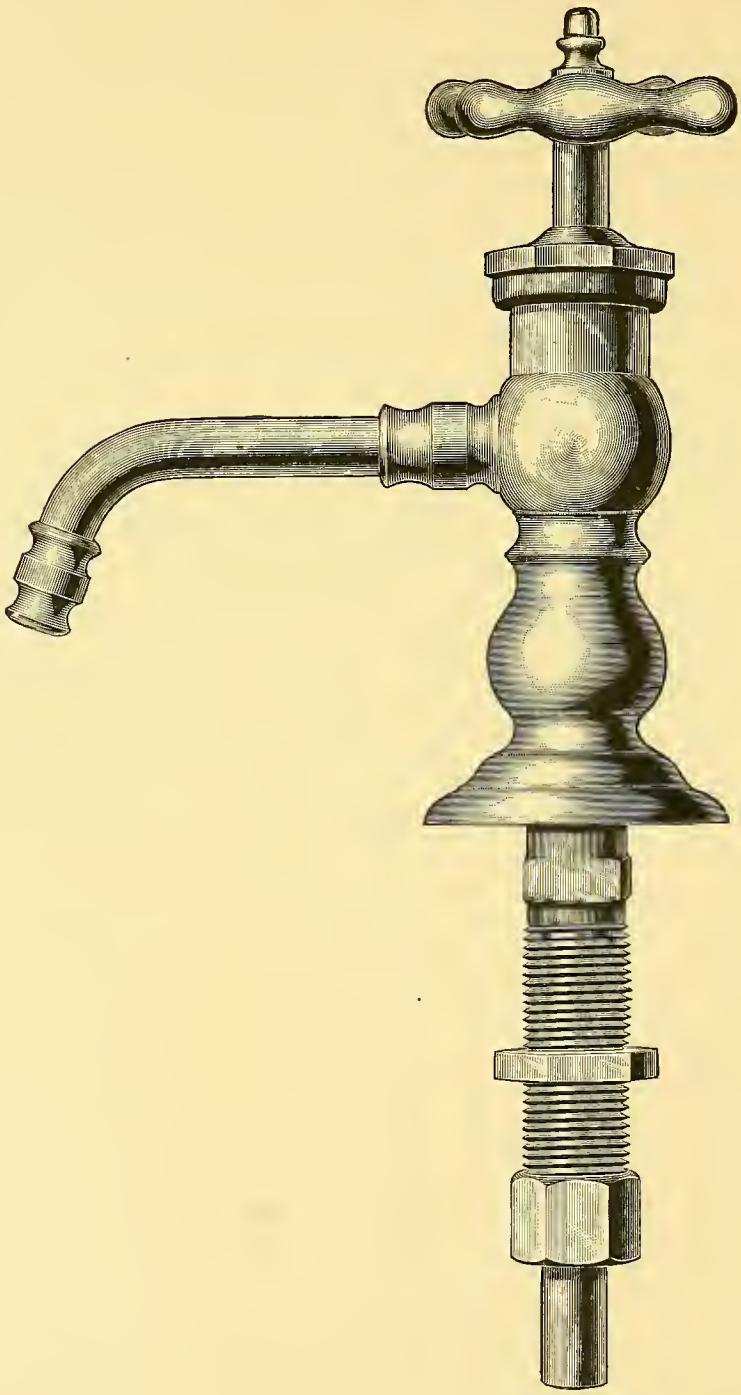
Finished, per doz., ...	$24.00 Bipedal.
Nickel Plated, per doz., ...	$28.00 Birch.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION BASIN COCKS.

No. 6.

CROSS HANDLE.



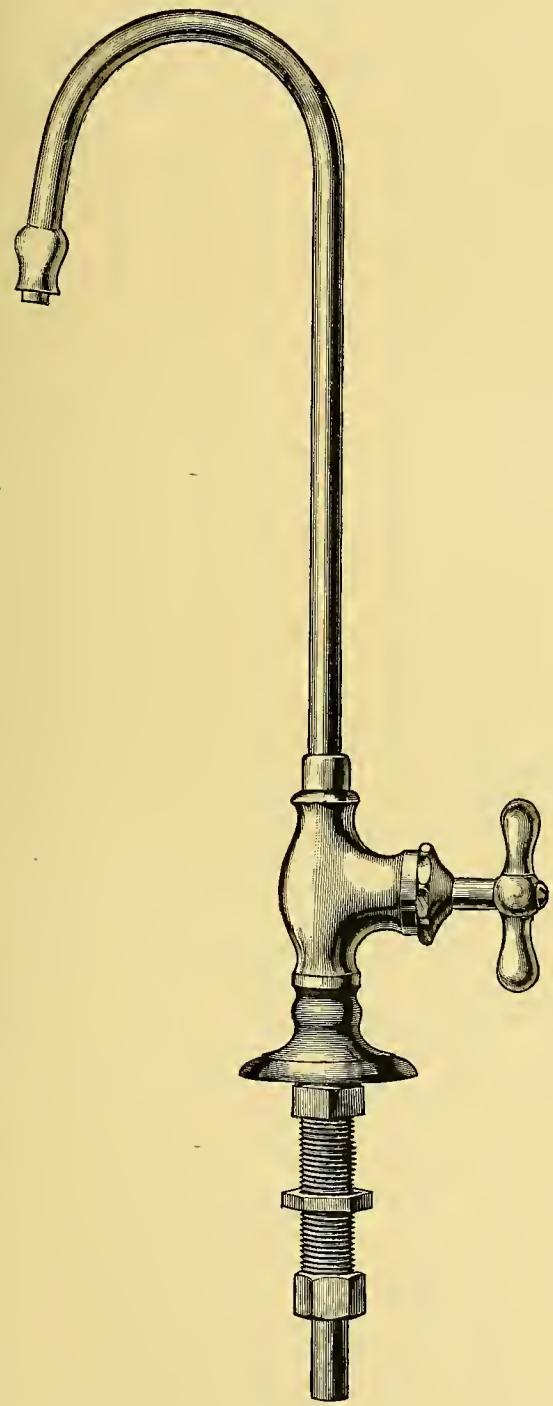
A—186.

Finished, per doz.,	$27.00 Bishop.
Nickel Plated, per doz.,	$31.00 Bistre.

All our **Basin Cocks** are made with **Ground Conplings.**

COMPRESSION PANTRY COCKS.

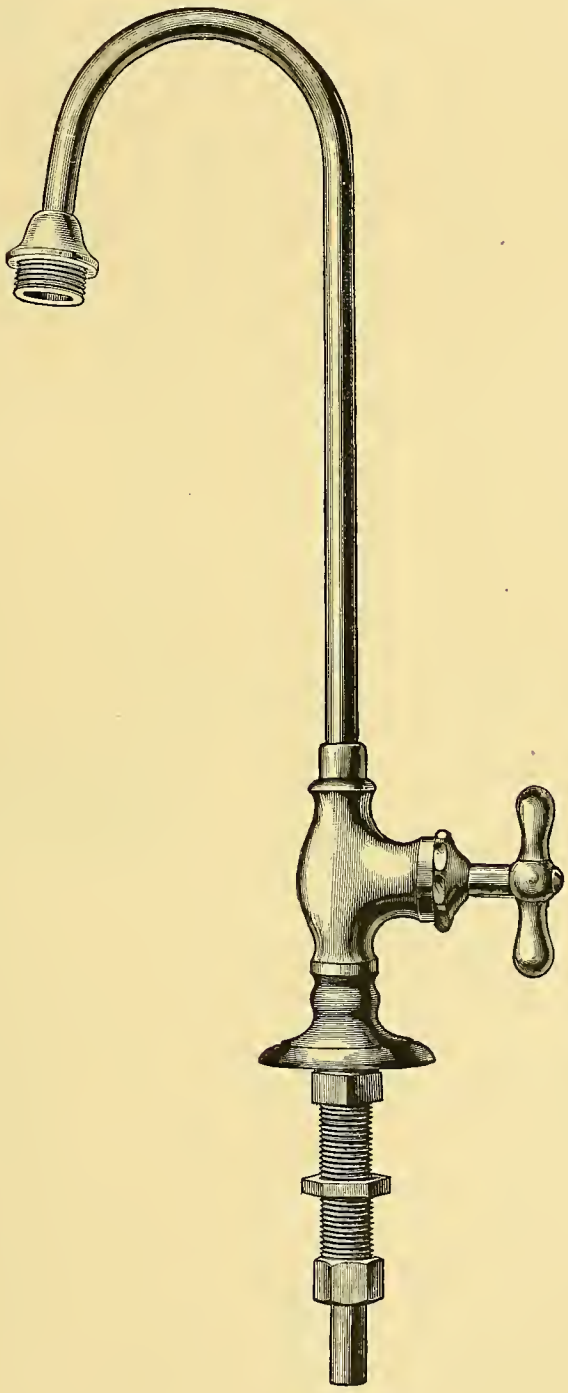
PLAIN.



A—187.

Finished, per doz., ...	$30.00 Bitumen.
Nickel Plated, per doz., ...	$34.00 Bivouac.

WITH HOSE END.



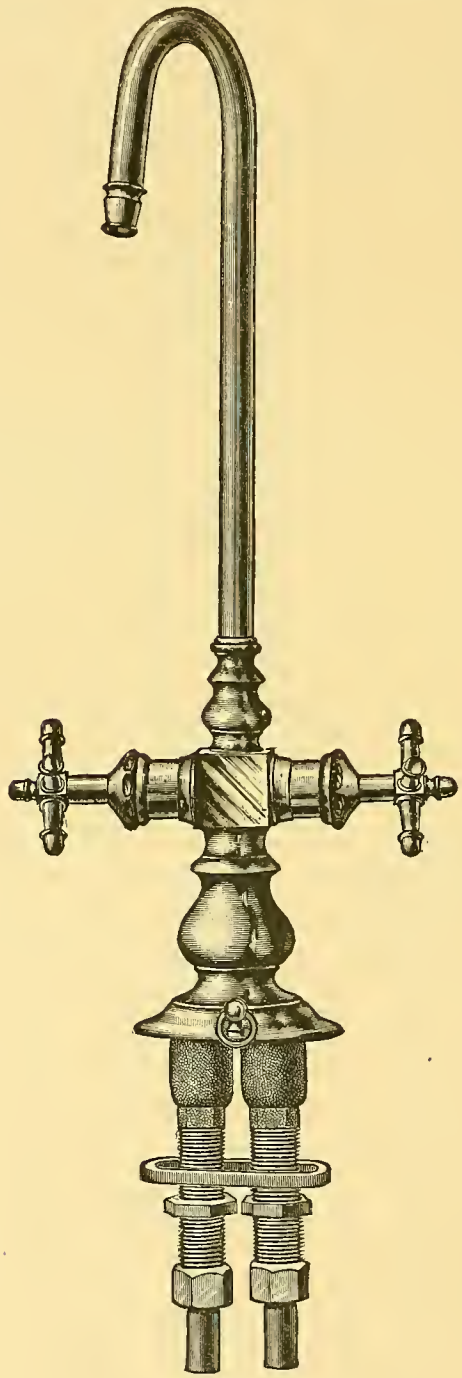
A—188.

Finished, per doz., ...	$33.00 Bixa.
Nickel Plated, per doz., ...	$37.00 Blackly.

Add for 4 Arm Handle, per doz., ... $2.00 Bizarre.

All our **Pantry Cocks** are made with **Ground Couplings.**

COMPRESSION DOUBLE PANTRY COCK.

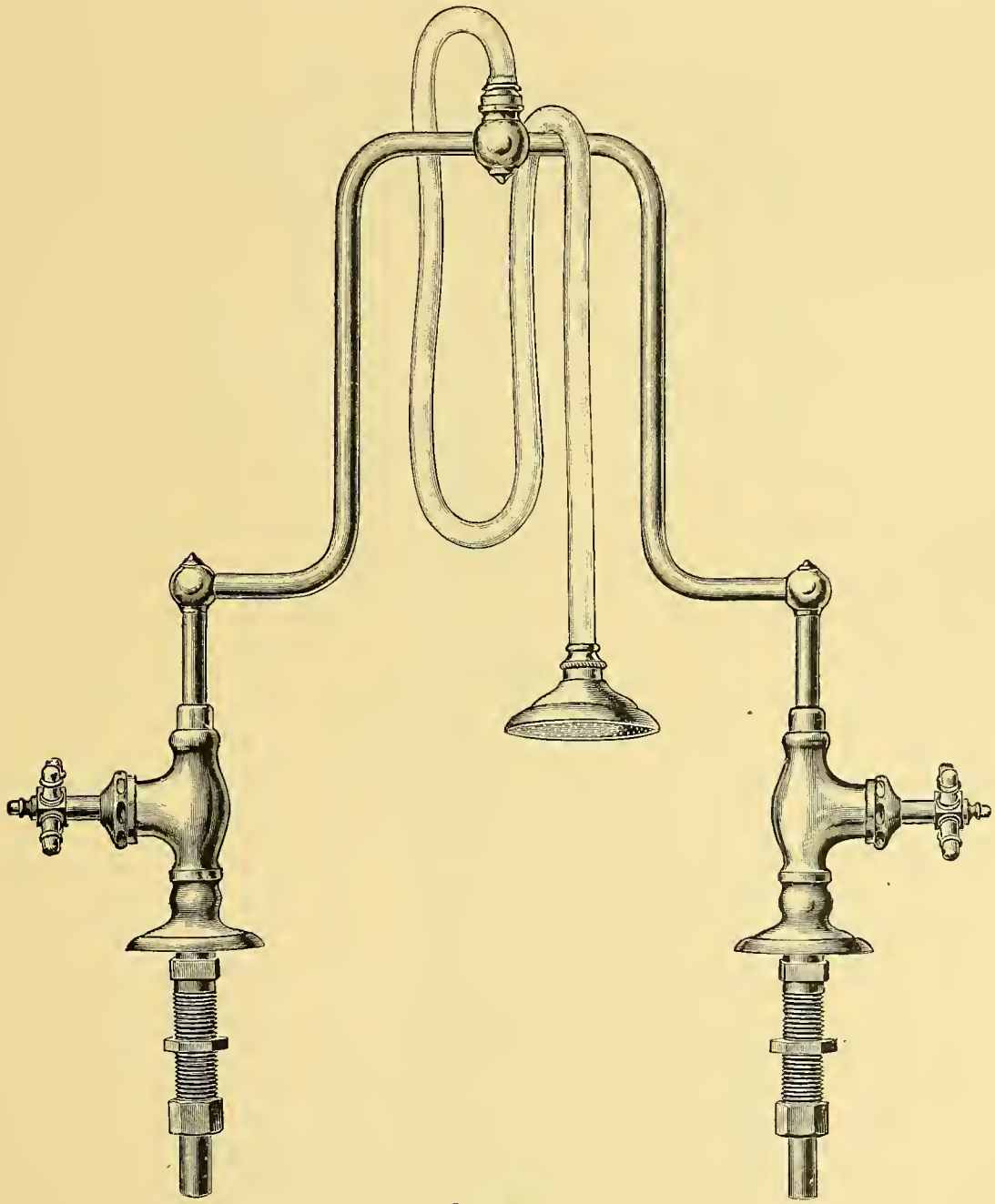


A—189.

Finished, each,	$10.00 Blab.
Nickel Plated, each,	$11.00 Blackamoor.

All our **Basin Cocks** are made with **Ground Couplings.**

COMPRESSION DOUBLE SHAMPOO COCK.

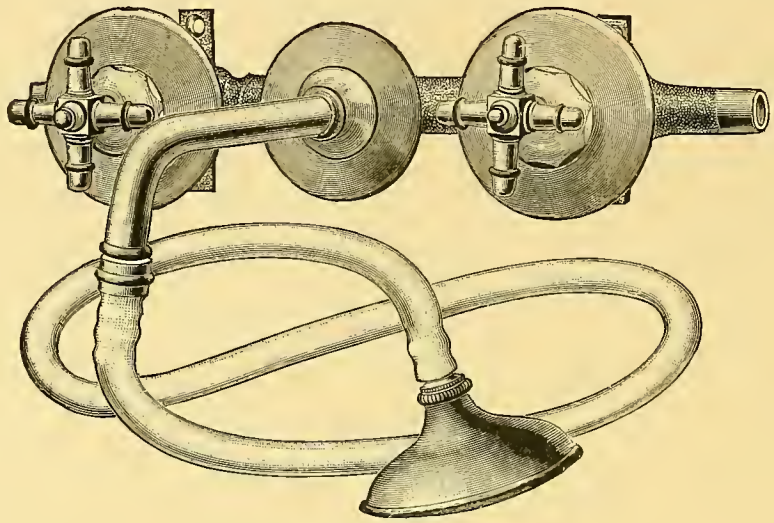


A—190.

Finished, each,	$10.00 Blade.
Nickel Plated, each,	$12.00 Blamable.

COMPRESSION DOUBLE BRACKET BASIN COCKS.

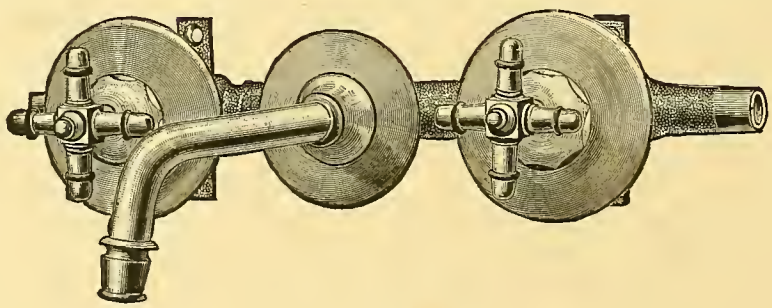
WITH RUBBER TUBE AND SPRINKLER FOR SHAMPOOING.



A—191.

Finished, each,	$8.00 Bland.
Nickel Plated, each,	$10.00 Blandish.

COMPRESSION DOUBLE BRACKET BASIN COCKS.

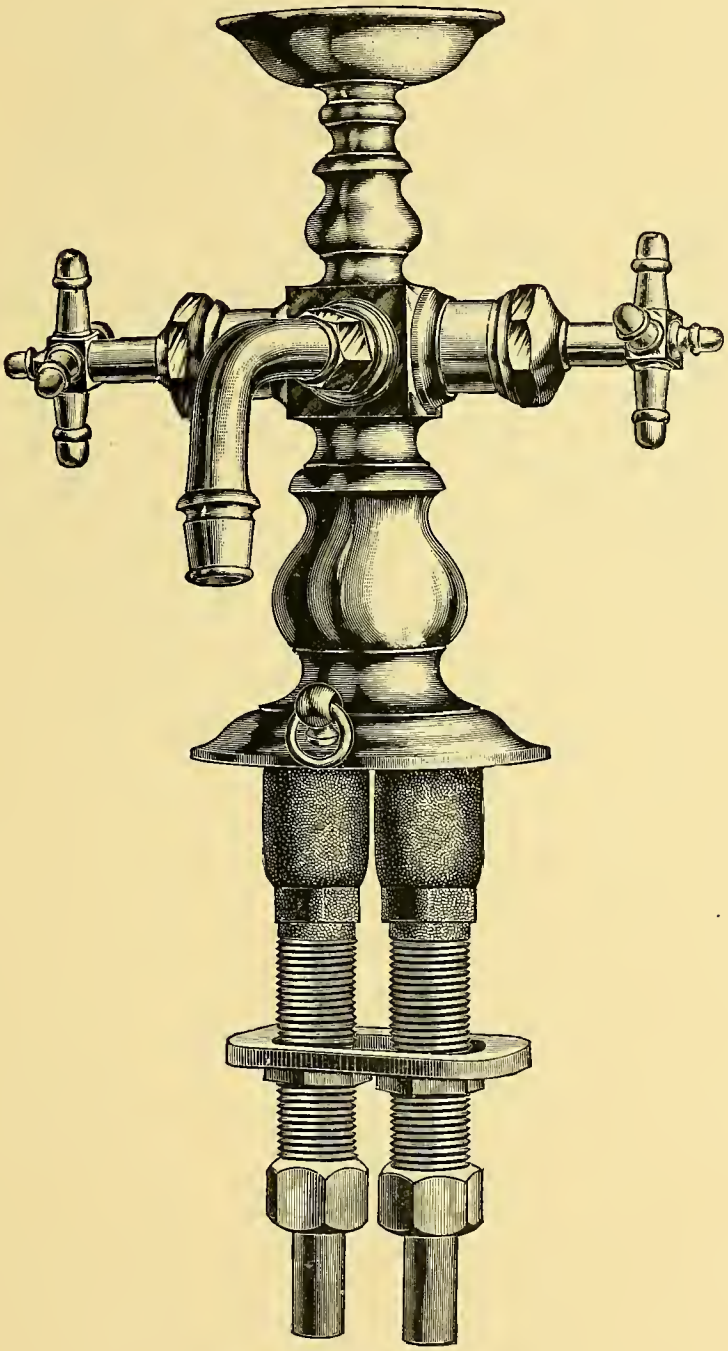


A—192.

Finished, each,	$5.00 Blanket.
Nickel Plated, each,	$5.50 Blare.

COMPRESSION DOUBLE BASIN COCK.

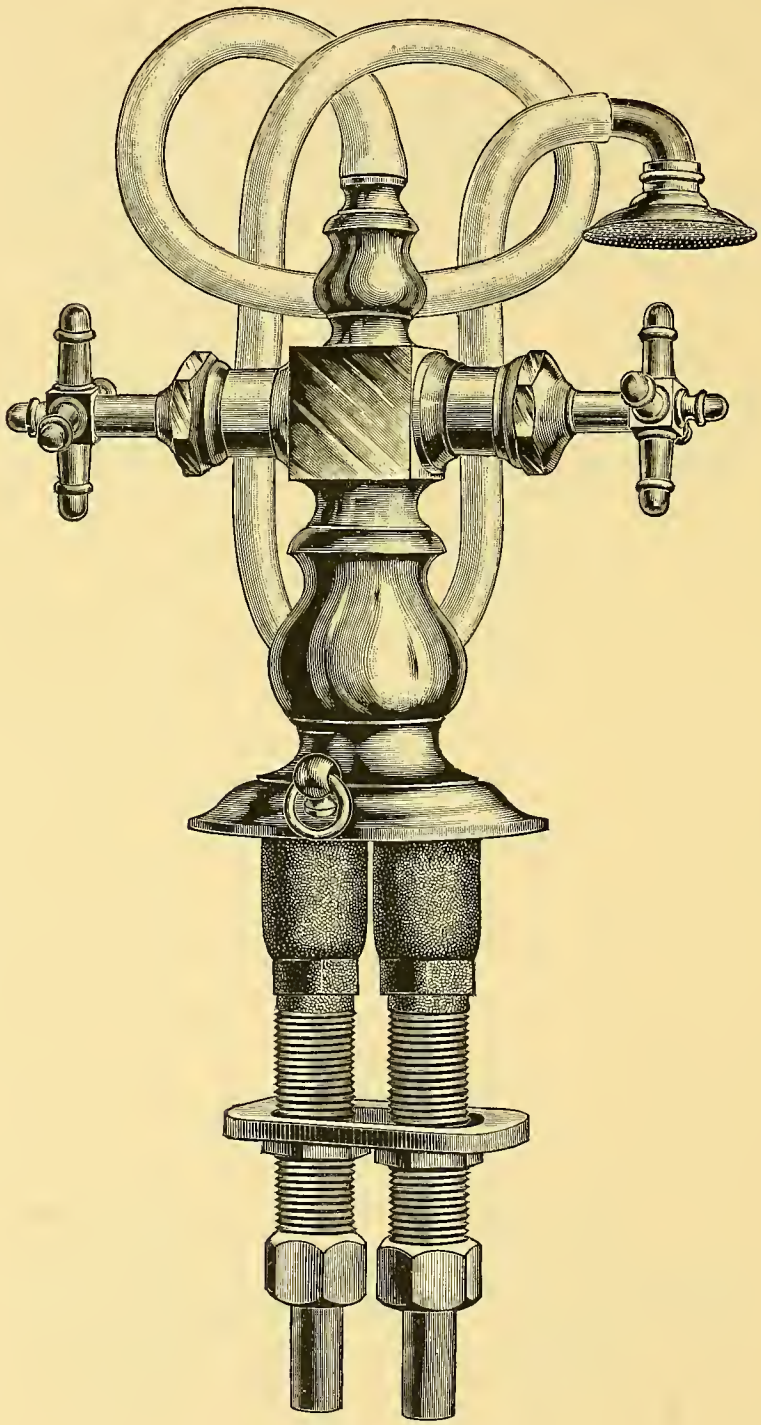
WITH RING CUP.



A–193.

Finished, each,	$9.00 Blase.
Nickel Plated, each,	$10.00 Blazon

COMPRESSION DOUBLE SHAMPOO COCK.

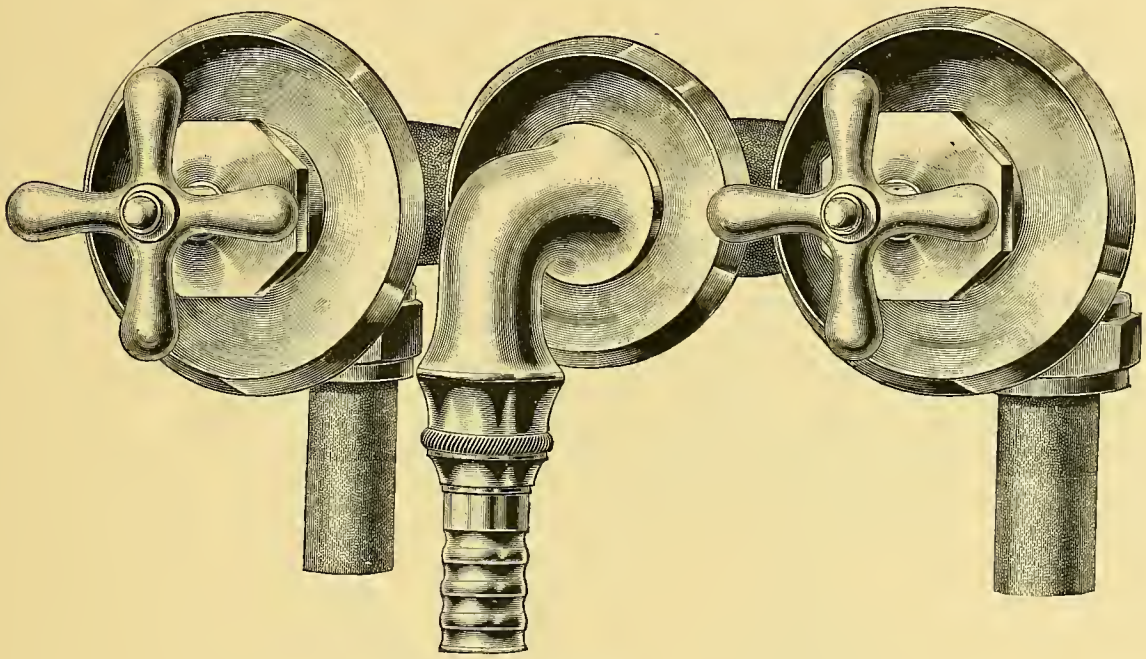


A—194.

Finished, each,	$14.00 Bleak.
Nickel Plated, each,	$15.00 Bleed.

COMPRESSION DOUBLE BATH COCKS.

No. 0.



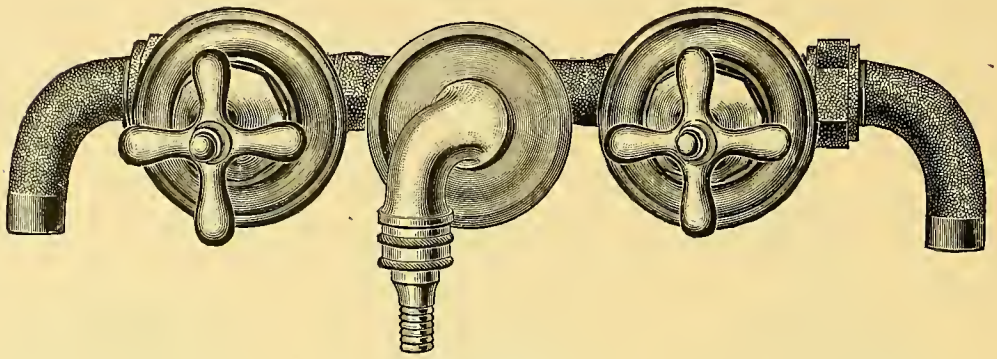
A—195.

Finished, each,	$5.00 Blench.
Nickel Plated, each,	$5.50 Blend.

COMPRESSION DOUBLE BATH COCKS.

No. 1.

HANDLES IN FRONT.



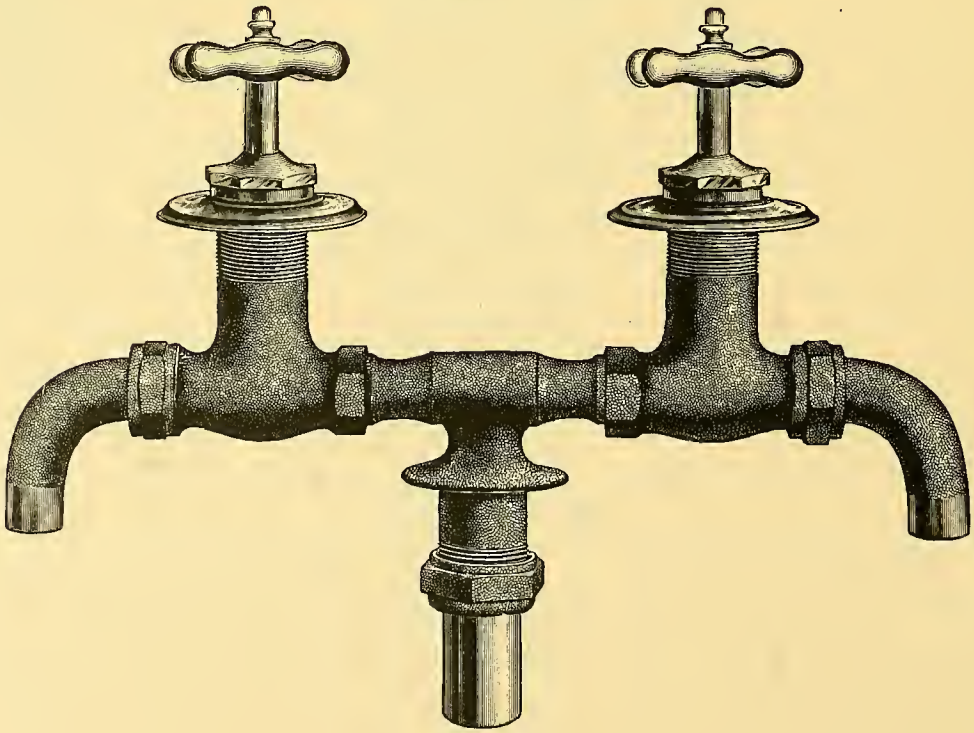
A–196.

Finished, each,	$7.00 Blight.
Nickel Plated, each,	$7.50 Blind.

COMPRESSION DOUBLE BATH COCKS.

No. 2.

HANDLES ON TOP.



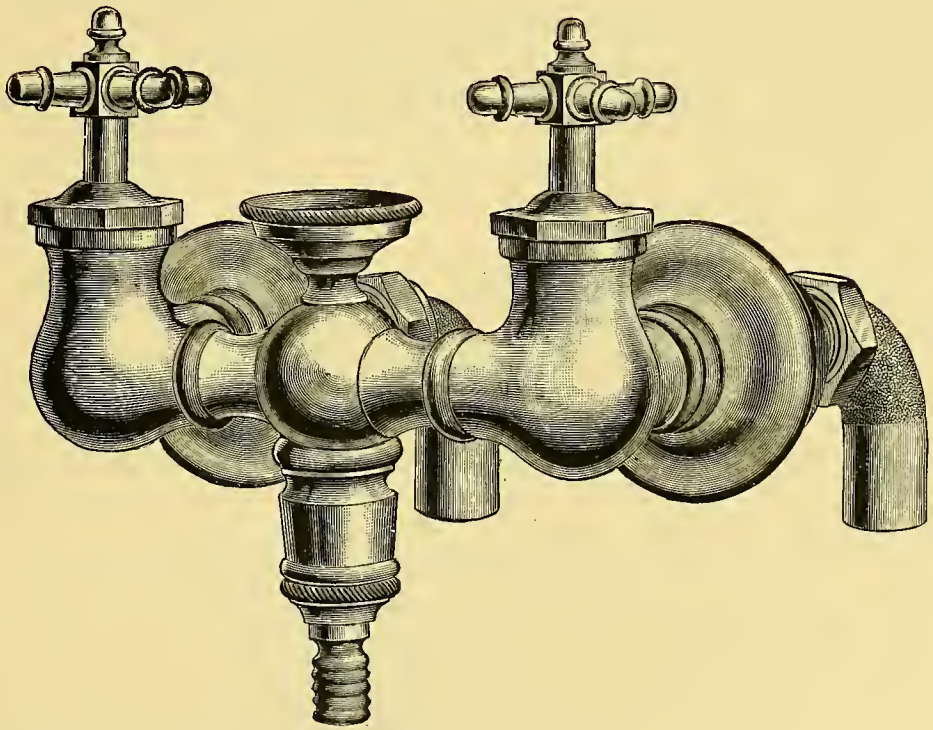
A–197.

Finished, each,	$6.00 Bliss.
Nickel Plated, each,	$6.50 Blissful.

COMPRESSION DOUBLE BATH COCKS.

No. 3.

WITH RING CUP.



A—198.

Finished, each,	$7.50 Blithe.
Nickel Plated, each.,	$8.00 Block.

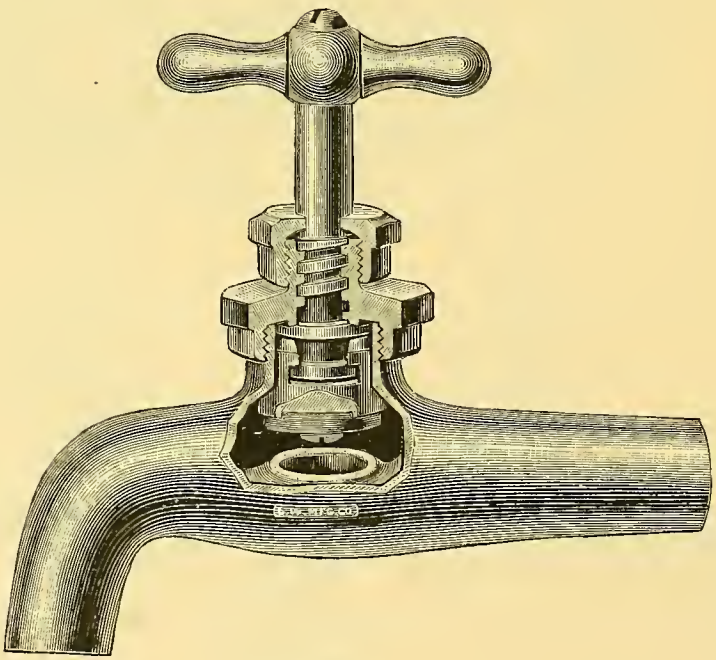
All our **Double Bath Cocks** are furnished with **Sprinklers.**

"EXTRA PATTERN" COMPRESSION WORK.

To those desiring to use the best compression work made, we call attention to our "Extra Pattern," especially designed for heavy pressure. It is of improved construction, has extra large water way, raised seat, is countersunk for packing, has loose disc, stuffing box, no guides to wear out, and all the threads are engaged when closing the valve tight. This latter feature can not be too highly appreciated, as in the ordinary Compression Cocks the end threads of the stem stand all the wear, and consequently soon give out. Our "Extra" Faucets are much more durable, will not leak at the top, will throw more water, and are listed at but a small advance over the ordinary kind.

"Extra" Basin and Bath Cocks also made.

When specifying, call for Wolff's "Extra Pattern" Compression.



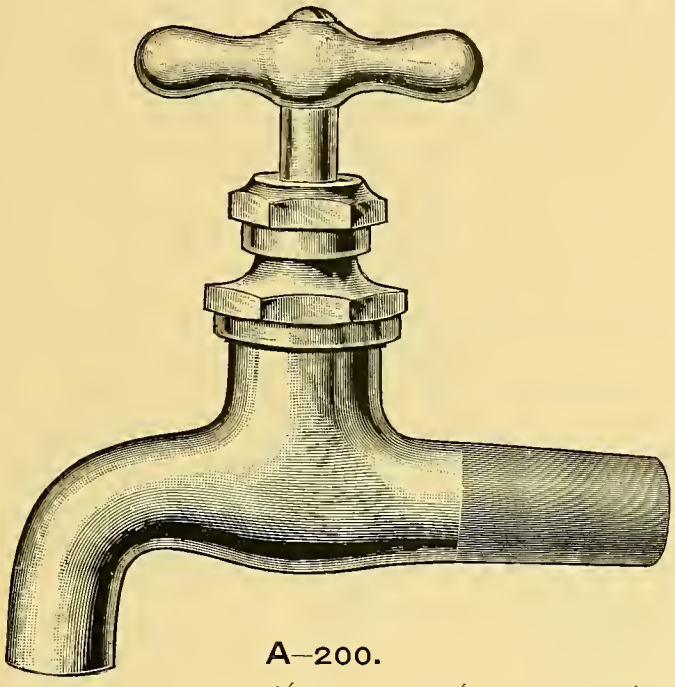
A—199.

SECTIONAL VIEW

OF

WOLFF'S "EXTRA PATTERN COMPRESSION BIBB.

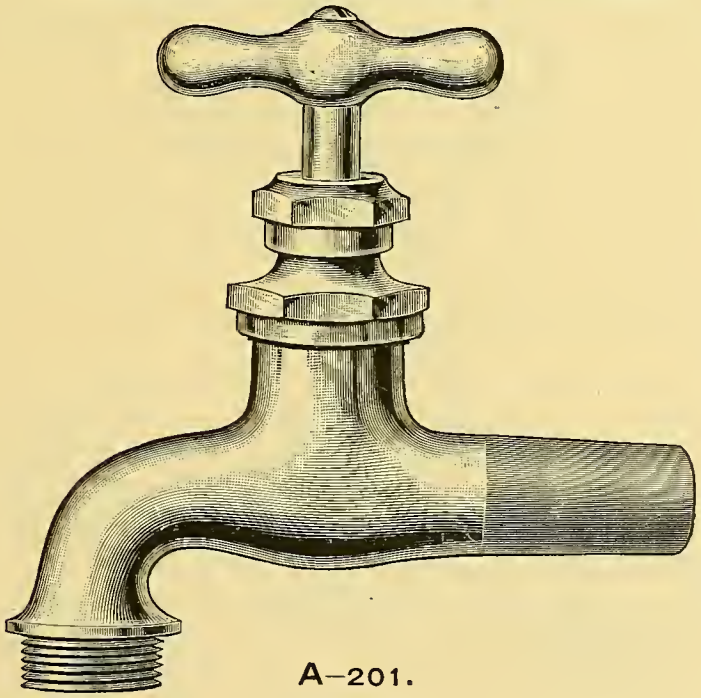
"EXTRA PATTERN"
COMPRESSION PLAIN BIBBS.



A—200.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$10.50 Blockish.	11.50 Blomary.	13.00 Blonde.	20.00 Blonket.	34.00 Blore.
Finished, per doz.,	$11.00 Blood.	12.00 Bloom.	14.00 Bloomy.	21.00 Blossom.	38.00 Blot.
Nickel Plated, per doz.,	$13.00 Blotter.	14.50 Blow.	16.50 Blower.	23.50 Blouse.	41.00 Bludgeon.

"EXTRA PATTERN"
COMPRESSION HOSE BIBBS.



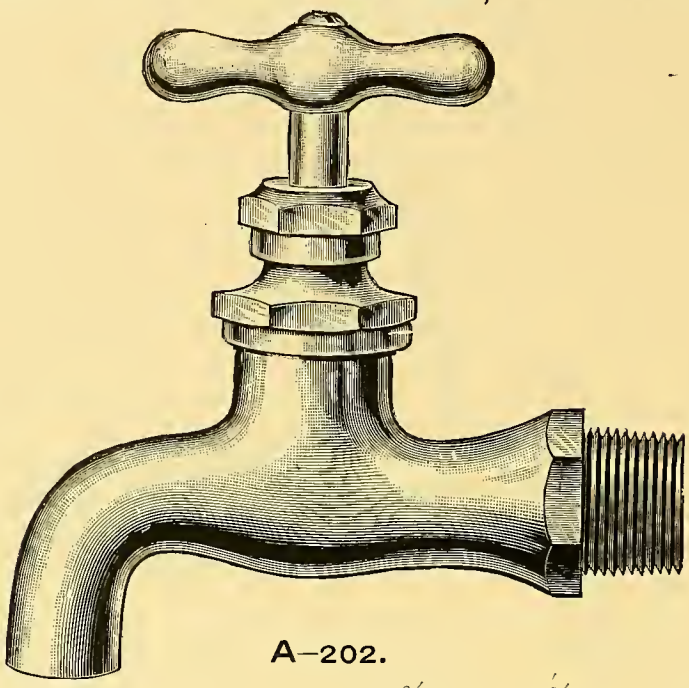
A—201.

Size,	1/2	5/8	3/4	1 in.
Rough, per doz.,	$12.50 Blunt.	14.00 Blunder.	22.00 Blushy.	37.00 Boarding.
Finished, per doz.,	$13.00 Blur.	15.00 Blush.	23.00 Bluster.	41.00 Boa.
Nickel Plated, per doz.,	$15.50 Boarish.	17.50 Boastful.	25.50 Boastive.	44.00 Boathook.

NOTE—A-200 to 205, inclusive, are furnished up to 2 inch.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, FOR IRON PIPE.

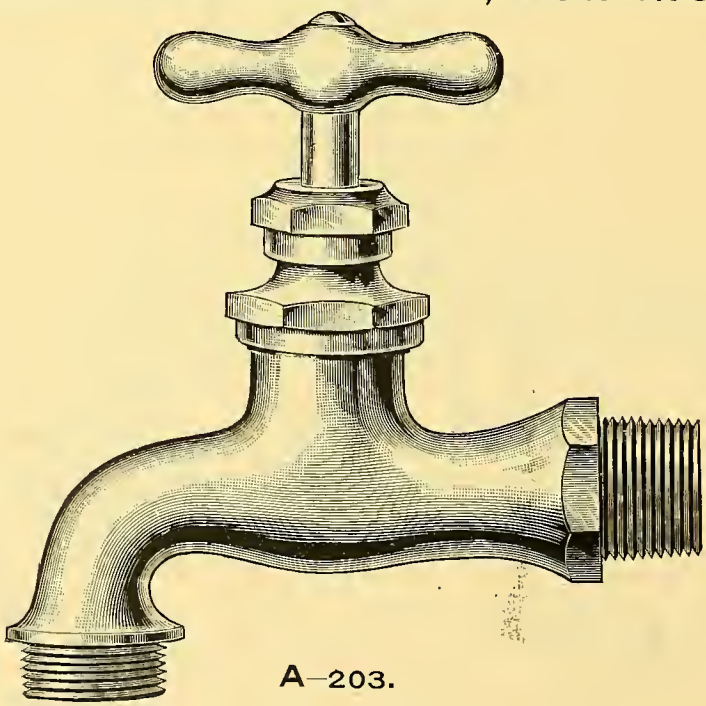


A—202.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$11.50 Boar.	12.50 Board.	14.00 Boarder.	22.00 Boast.	37.00 Boaster.
Finished, per doz.,	$12.00 Boat.	13.00 Boatman.	15.00 Boatswain.	23.00 Bob.	41.00 Bode.
Nickel Plated, per doz.,	$14.00 Bodice.	15.50 Bodily.	17.50 Boding.	25.50 Bodkin.	44 00 Body.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, FOR IRON PIPE.



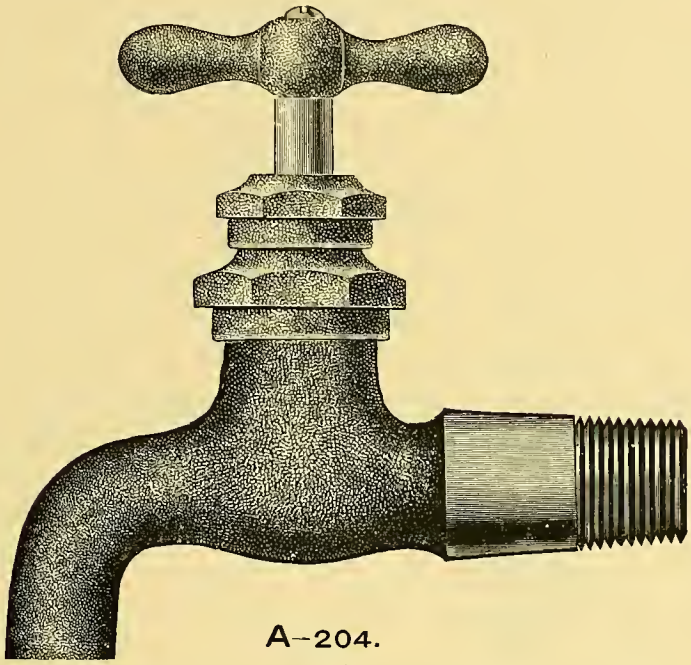
A—203.

Size,	1/2	5/8	3/4	1 in.
Rough, per doz.,	$13.50 Bog.	15.00 Boggle.	24.00 Boggy.	40.00 Bohea.
Finished, per doz.,	$14.00 Boil.	16.00 Boiler.	25.00 Bold.	44 00 Boldness.
Nickel Plated, per doz.,	$16.50 Bolu.	18.50 Bolis.	27.50 Boletus.	47.00 Bolero.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.



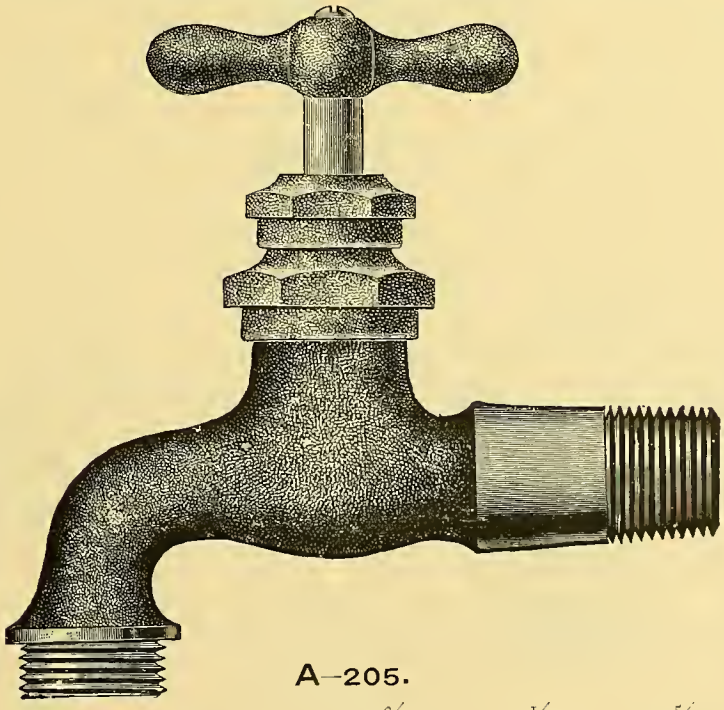
A–204.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$11.50 Bollard.	12.50 Boll.	14 00 Bolling.	22.00 Bologna.	37.00 Boltrope.
Finished, per doz.,	$12.00 Bombard.	13.00 Bombate.	15.00 Bombox.	23.00 Bombazine.	41.00 Bombic.
Nickel Plated, per doz.,	$14.00 Bombproof.	15.50 Bombshell.	17.50 Bon.	25.50 Bonaire.	44.00 Bonaparte.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.

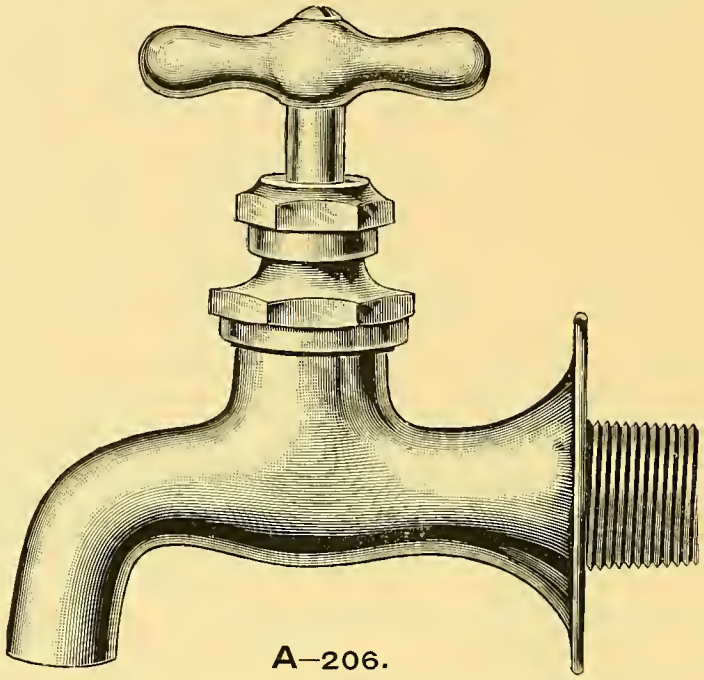


A–205.

Size,	3/8	1/2	5/8	3/4	1 in.
Rough, per doz.,	$12.50 Bonasus.	13.50 Bonbon.	15.00 Bonduc.	24.00 Bonace.	40.00 Boned.
Finished, per doz.,	$13.00 Boneless.	14.00 Boneset.	16.00 Bonetta.	25.00 Bonify.	44.00 Bonmot.
Nickel Plated, per doz.,	$15.00 Bonnibel.	16.50 Bonny.	18.50 Bonvivant.	27.50 Booby.	47.00 Boodb.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, WITH FLANGE, FOR IRON PIPE.

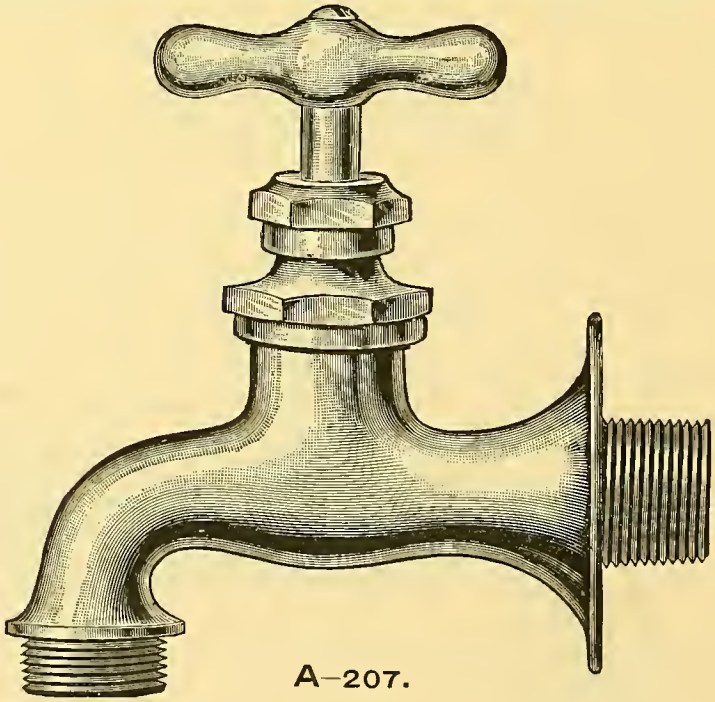


A—206.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$18.00 Book.	19.50 Bookcase.	28.00 Bookish.	50.00 Bookland.
Nickel Plated, per doz.,	$20.50 Bookman.	22.00 Bookoath.	30.50 Bookrack.	53.00 Bookshop.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, WITH FLANGE, FOR IRON PIPE.

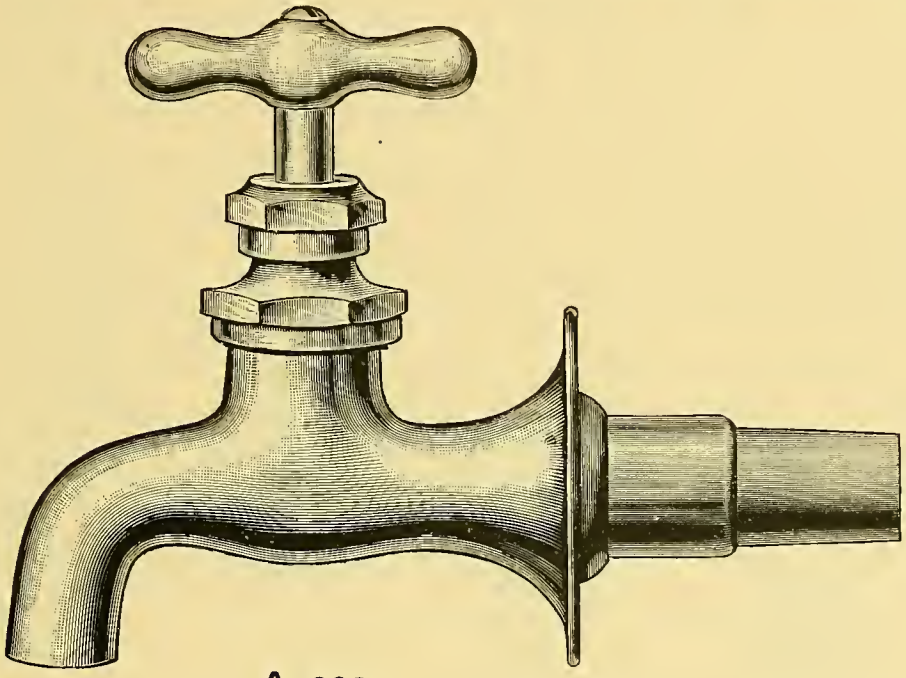


A—207.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$19.00 Bookstall.	20.50 Bootey.	30.00 Boomerang.	53.00 Booze.
Nickel Plated, per doz.,	$21.50 Booth.	23.00 Bootlick.	32.50 Bopeep.	56.00 Borable.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, FLANGE AND THIMBLE.

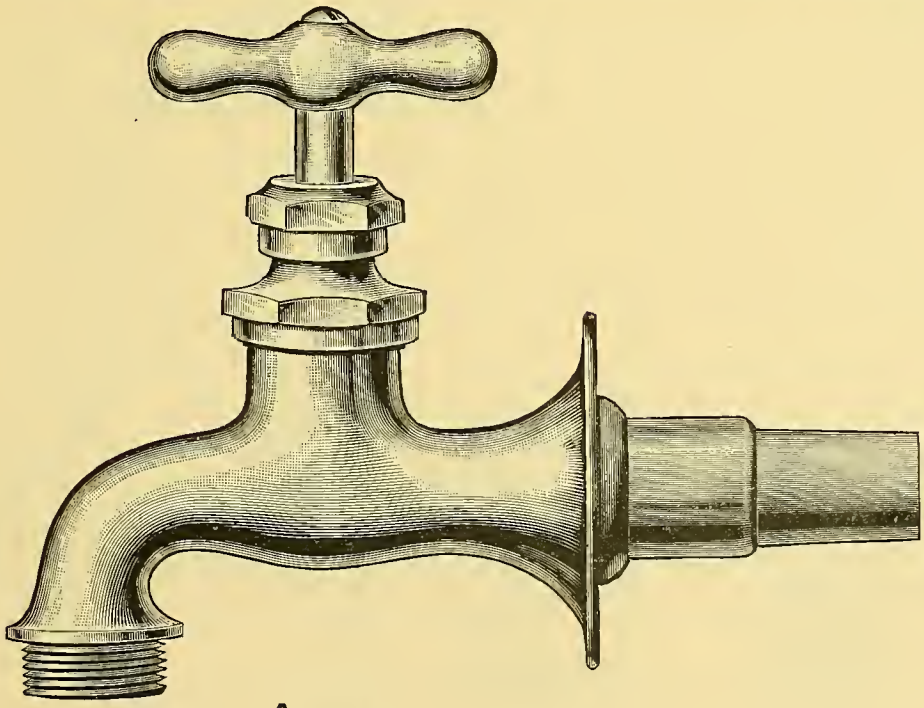


A—208.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$20.00 Boracite.	23.00 Bolster.	31 00 Borage.	55.00 Bord.
Nickel Plated, per doz.,	$23.50 Bordure.	26.50 Bolt.	35.00 Bore.	59.00 Boree.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, FLANGE AND THIMBLE.



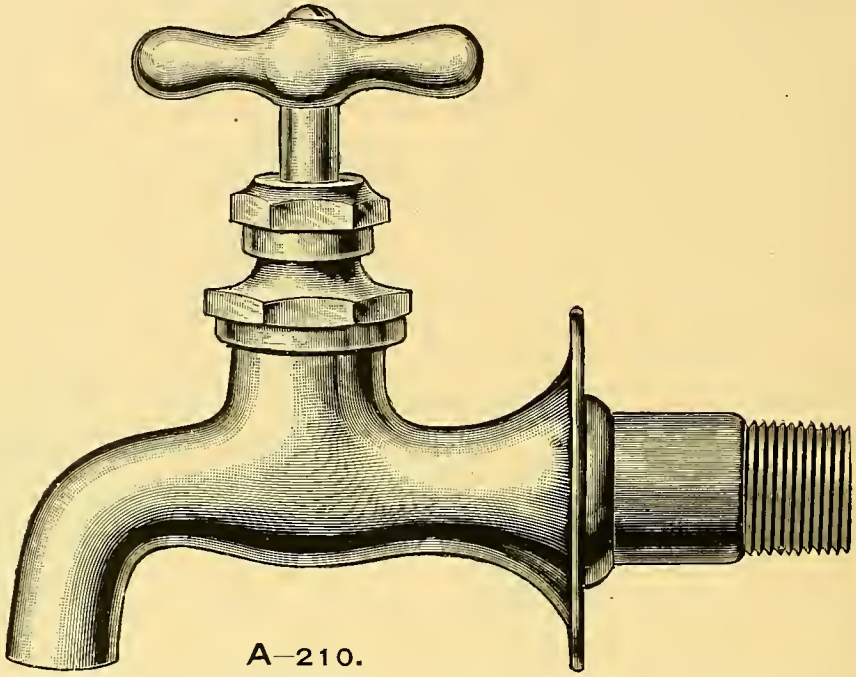
A—209.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$21.00 Boring.	24.00 Born.	33.00 Borou.	58.00 Borough.
Nickel Plated, per doz.,	$24.50 Borrel.	27.50 Bort.	37.00 Bosa.	62.00 Bosket.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, FLANGE AND THIMBLE.

FOR IRON PIPE.



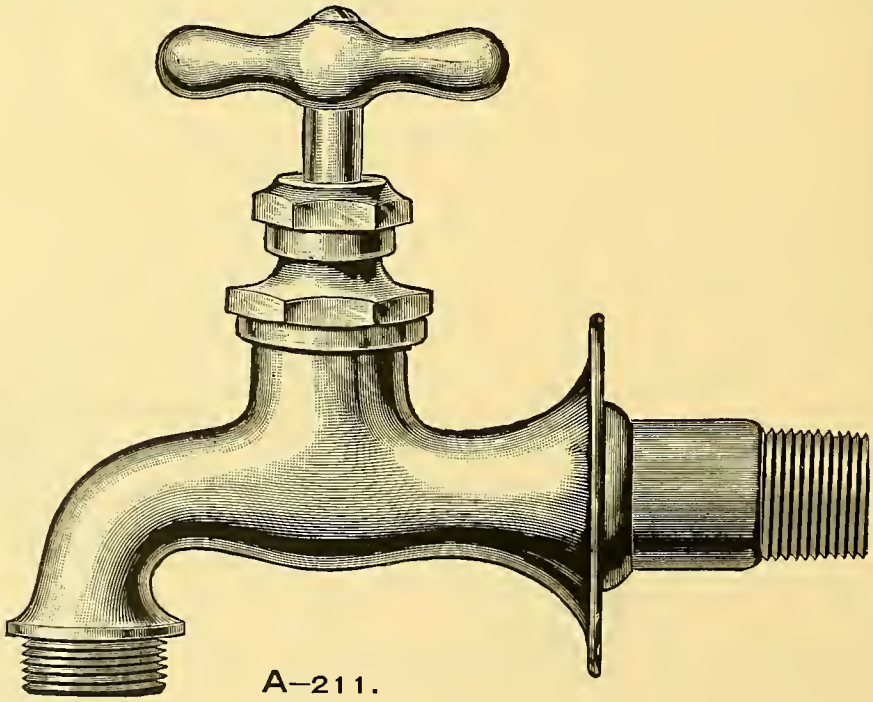
A—210.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$21.00 Bosh.	24.00 Bosky.	33.00 Boss.	58.00 Bossive.
Nickel Plated, per doz.,	$24.50 Botanic.	27.00 Botanist.	37.00 Botany.	62.00 Botargo.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, FLANGE AND THIMBLE.

FOR IRON PIPE.

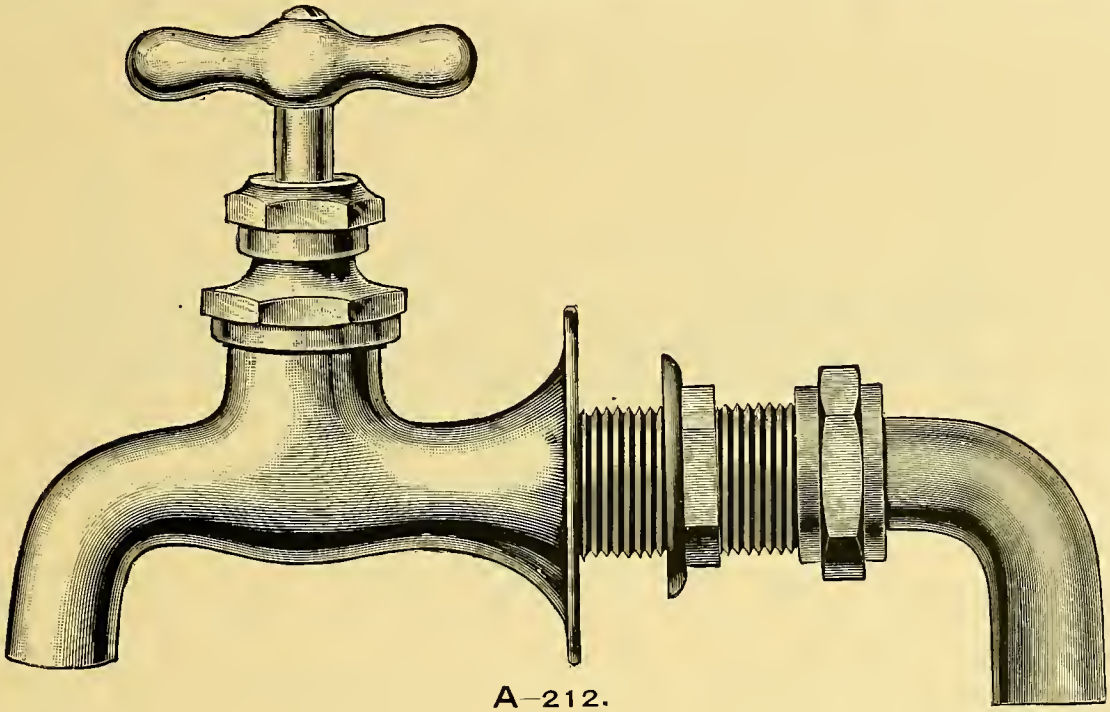


A—211.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$22.00 Botch.	25.00 Botcher.	35.00 Bote.	61.00 Bother.
Nickel Plated, per doz.,	$25.50 Bothnic.	28.00 Botts.	39.00 Bottlegreen.	65.00 Bouge.

"EXTRA PATTERN"

COMPRESSION PLAIN BIBBS, FLANGE, NUT AND BENT COUPLING.

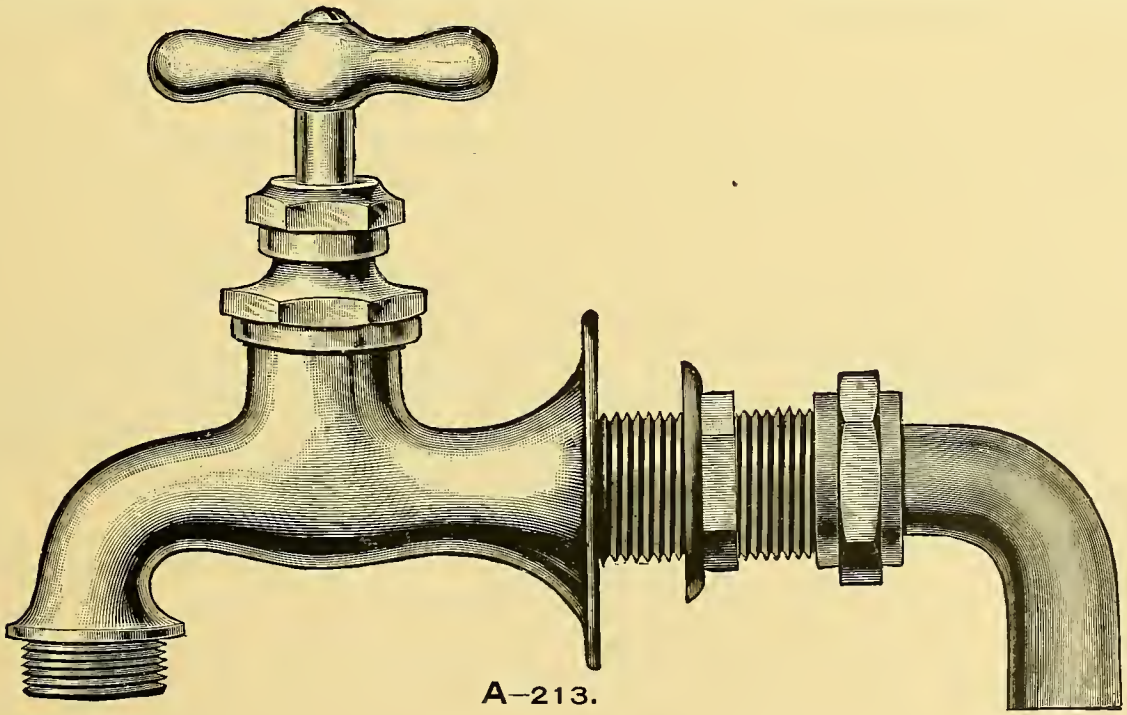


A–212.

Size,	½	⅝	¾ in.
Finished, per doz.,	$27.00 Bough.	34.00 Boulder.	47.00 Boulet.
Nickel Plated, per doz.,	$30.50 Boult.	37.50 Boulton.	51.00 Bounder.

"EXTRA PATTERN"

COMPRESSION HOSE BIBBS, FLANGE, NUT AND BENT COUPLING

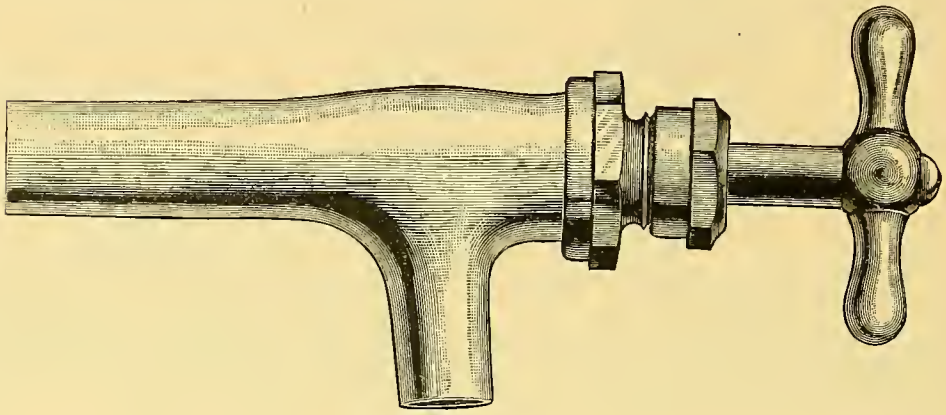


A–213.

Size,	½	⅝	¾ in.
Finished, per doz.,	$28.00 Boundless.	35.00 Bourbon.	49.00 Bourd.
Nickel Plated, per doz.,	$31.50 Bourgeon.	38.50 Bousy.	53.00 Boutade.

"EXTRA PATTERN"

COMPRESSION WASH TRAY BIBBS.

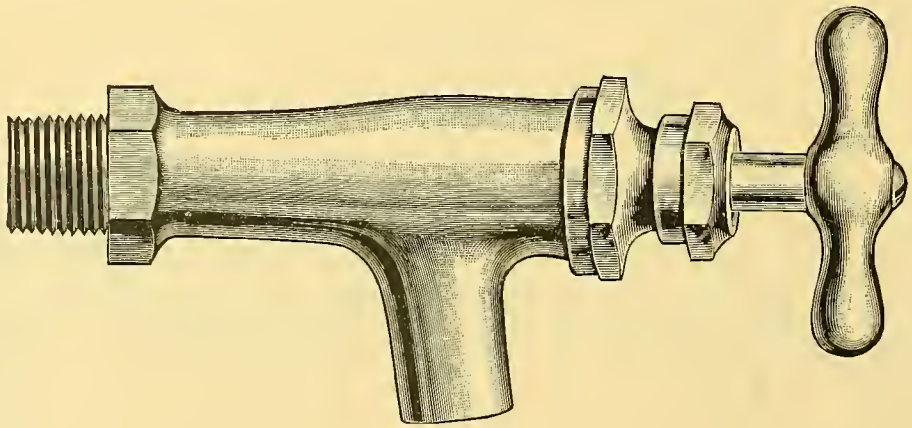


A—214.

Size,	½	⅝	¾ in.
Finished, per doz.,	$13.00 Bovate.	15.00 Bondman.	22.00 Bone.
Nickel Plated, per doz.,	$15.50 Bovid.	17.50 Bonfire.	24.50 Bonnet.

"EXTRA PATTERN"

COMPRESSION WASH TRAY BIBBS, FOR IRON PIPE.

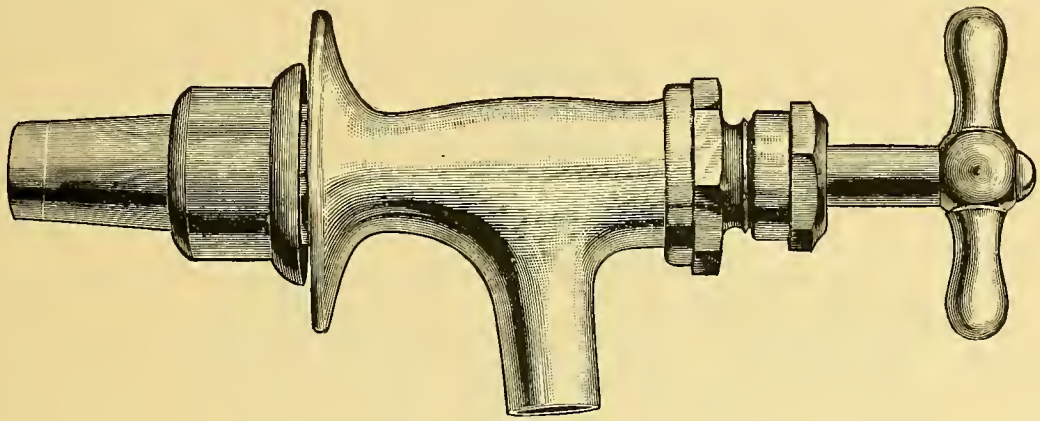


A—215.

Size,	½	⅝	¾ in.
Finished, per doz.,	$14.00 Boutant.	16.00 Boutisale.	24.00 Boutifen.
Nickel Plated, per doz.,	$16.50 Bow.	18.50 Bowable.	26.50 Bowbells.

"EXTRA PATTERN"

COMPRESSION WASH TRAY BIBBS, FLANGE AND THIMBLE.



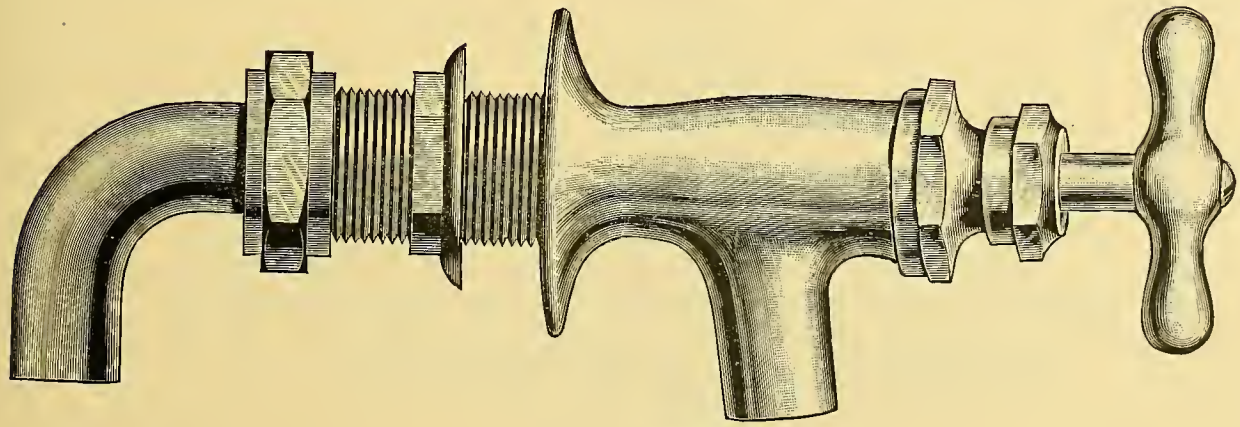
A–216.

Size,	½	⅝	¾ in.
Finished, per doz.,	$21.00 Bombardier.	24.00 Bomb.	33.00 Bombilate.
Nickel Plated, per doz.,	$24.50 Bombardon.	27 50 Bombast.	37.00 Bombketch.

"EXTRA PATTERN"

COMPRESSION WASH TRAY BIBBS,

FLANGE, NUT AND BENT COUPLING.

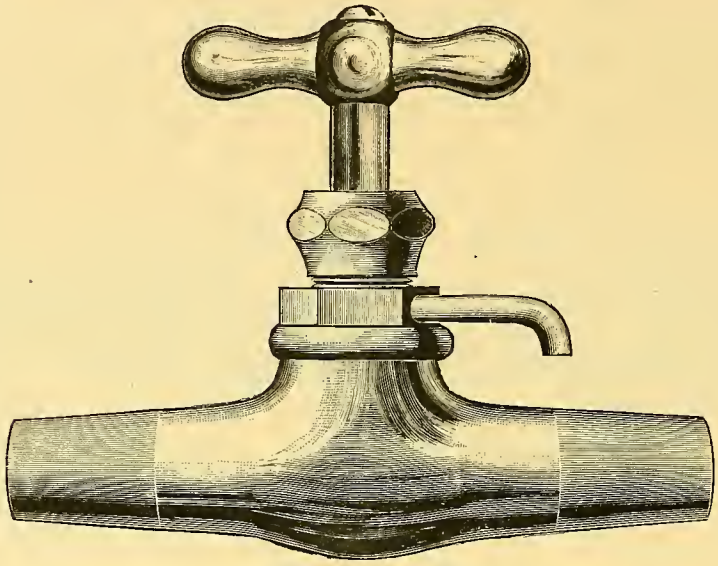


A–217.

Size,	½	⅝	¾ in.
Finished, per doz.,	$28.00 Bowbent.	35.00 Bowdrill.	49.00 Bowhand.
Nickel Plated, per doz.,	$31.50 Bower.	38.50 Bowet.	53.00 Bowge.

"EXTRA PATTERN"

COMPRESSION STOP AND WASTE.

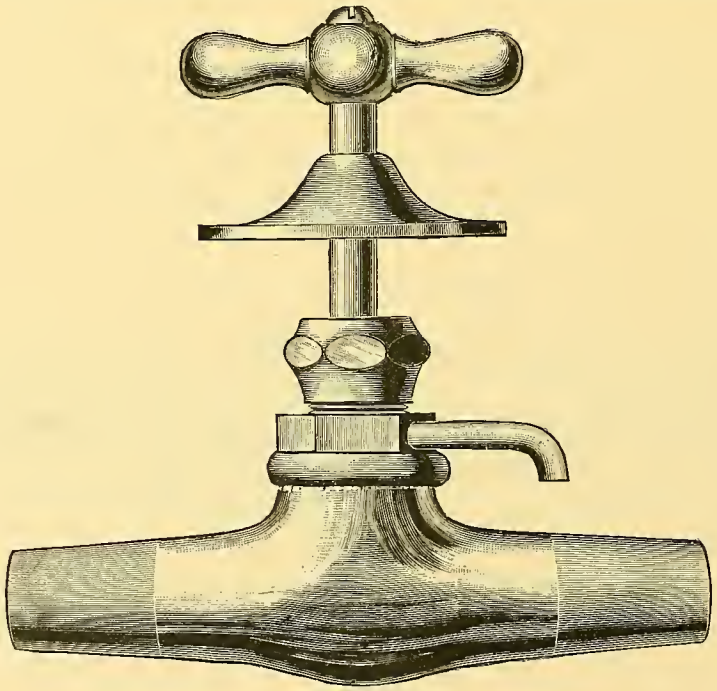


A—218.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$14.00 Brag.	17.00 Brahmin.	24.00 Braid.	42.00 Brain.
Finished, per doz.,	$15.50 Brake.	18.50 Bran.	25.50 Brand.	44.00 Brandy.
Nickel Plated, per doz.,	$18 00 Brasier.	21.00 Brass.	28.00 Brassy.	47 00 Brat.

"EXTRA PATTERN"

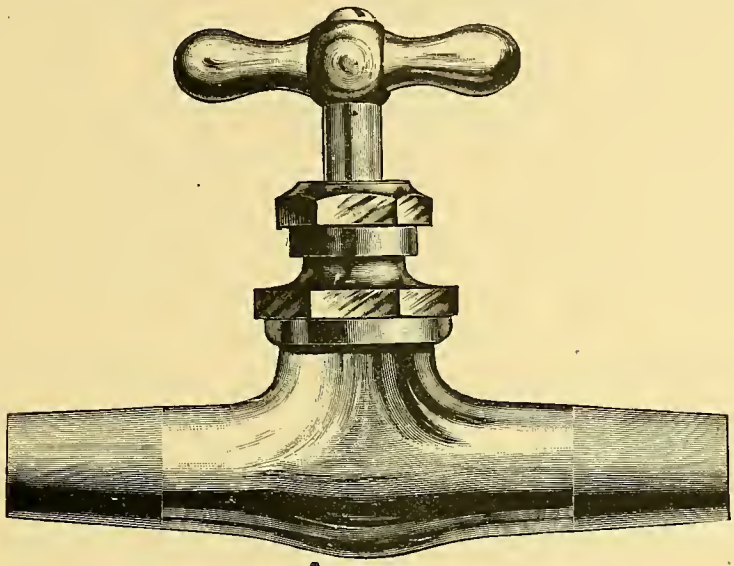
COMPRESSION SHOWER COCKS, FLANGE AND HANDLE.



A—219.

Size,	½	⅝	¾ in.
Finished, Flange and Handle, per doz.,	$24.00 Bonus.	29.00 Boom.	36.00 Booming.
Nickel Plated, Flange and Handle, per doz.,	$26.50 Boor.	31.50 Boost.	38.50 Boot.

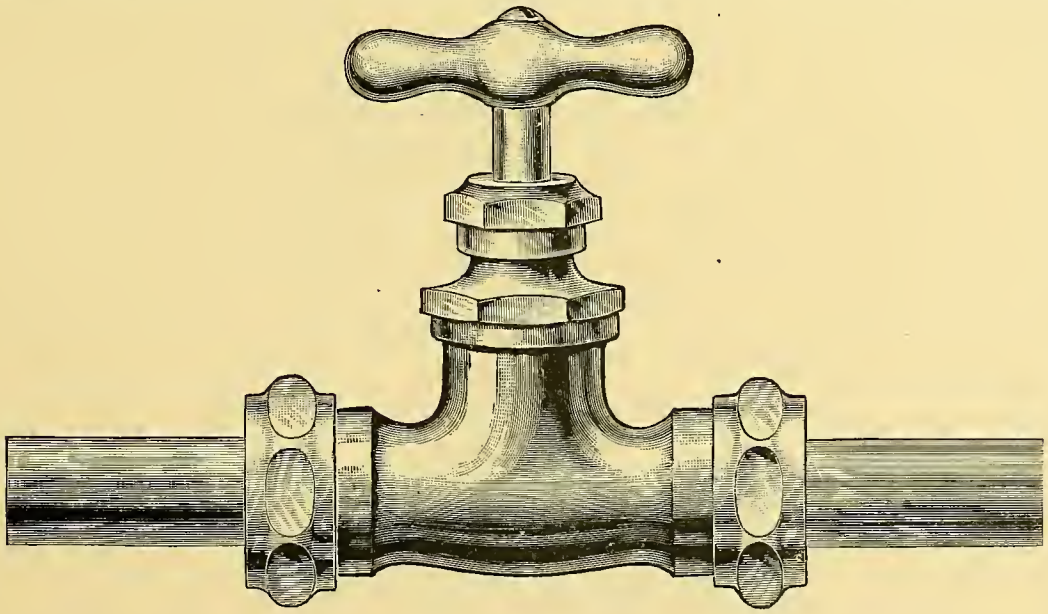
"EXTRA PATTERN"
COMPRESSION STOPS.



A—220.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$12.50 Boreal.	14.00 Borrow.	21.50 Bosom.	36.00 Botanist.
Finished, per doz.,	$13.00 Botany.	15.00 Both.	22.50 Bottle.	40.00 Bottom.
Nickel Plated, per doz.,	$15.50 Boudoir.	17.50 Bought.	25.00 Bounce.	43.00 Bound.

"EXTRA PATTERN"
COMPRESSION STOPS, COUPLING ON BOTH ENDS.

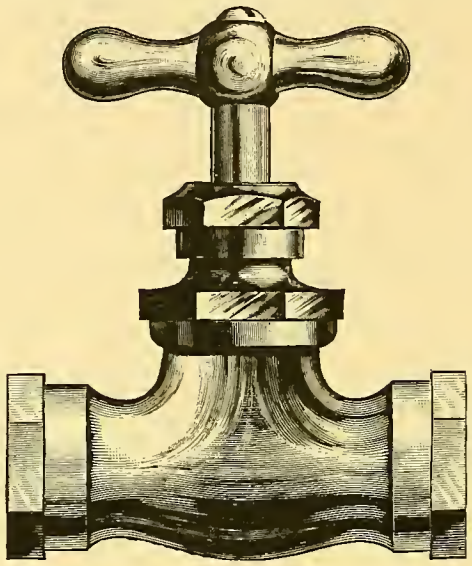


A—221.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$22.50 Bowing.	26.00 Bowknot.	37.50 Bowleg.	56.00 Bowler.
Finished, per doz.,	$23.00 Bowless.	27.00 Bowline.	38.50 Bowman.	60.00 Bownet.
Nickel Plated, per doz.,	$26.00 Bowoar.	30.00 Bowpen.	42.00 Bowsaw.	65.00 Bowse.

"EXTRA PATTERN"

COMPRESSION STOPS, FOR IRON PIPE.

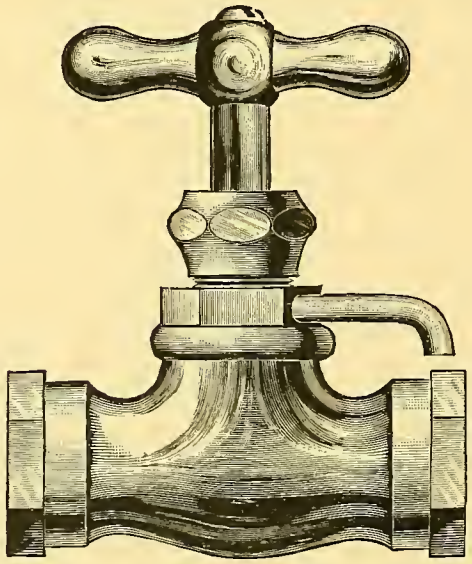


A—222.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$13.50 Bout.	16.00 Bovine.	23.50 Bowlder.	39.00 Bowman.
Finished, per doz.,	$14.00 Bowel.	17.00 Bowery.	24.50 Bowl.	43.00 Bowsprit.
Nickel Plated, per doz.,	$16.50 Box.	19.50 Boxer.	27.00 Boy.	46.00 Boyhood.

"EXTRA PATTERN"

COMPRESSION STOP AND WASTE, FOR IRON PIPE.

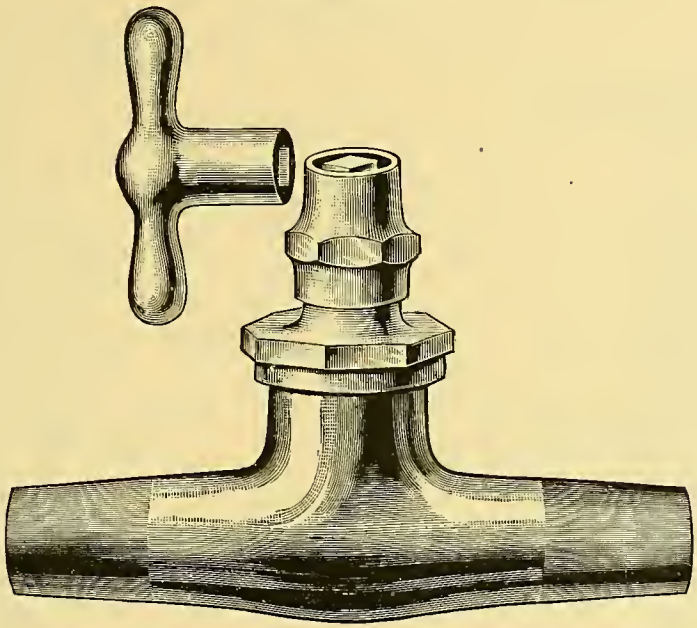


A—223.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$15.00 Brawl.	19.00 Brawn.	26.00 Braye.	45.00 Braze.
Finished, per doz.,	$16.50 Brazen.	20.50 Breach.	27.50 Bread.	47.00 Break.
Nickel Plated, per doz.,	$19.00 Breakfast.	23.00 Bream.	30.00 Breast.	50.00 Breath.

"EXTRA PATTERN" COMPRESSION STOPS, FOR LEAD PIPE.

LOOSE KEY.

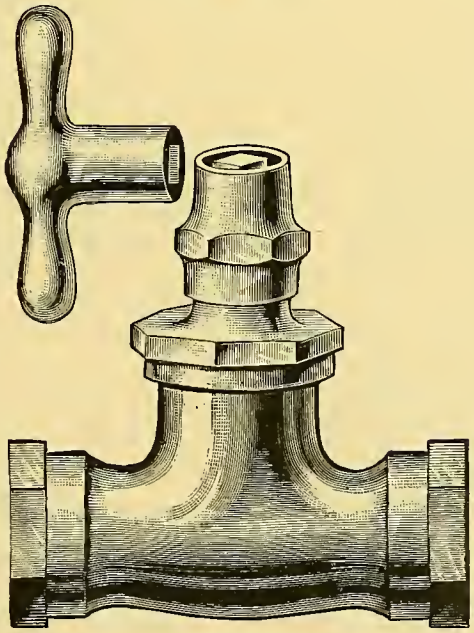


A–224.

Size,	½	⅝	¾	1 in.
Rough, per doz.,	$18.50 Breathless.	20.00 Breech.	28.50 Breeder.	44.00 Breezy.
Finished, per doz.,	$19.00 Breme.	21.00 Brennage.	29.50 Bretzel.	48.00 Breviary.
Nickel Plated, per doz.,	$21.50 Breviom.	23.50 Briarean.	32.00 Bribeless.	51.00 Briber.

"EXTRA PATTERN" COMPRESSION STOPS, FOR IRON PIPE.

LOOSE KEY.

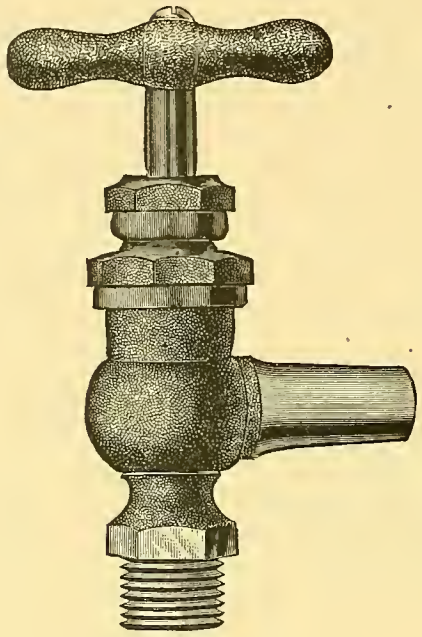


A–225.

Size,	½	¾	1 in.
Rough, per doz.,	$19.50 Brickbat.	30.50 Brickdust.	47.00 Brickle.
Finished, per doz.,	$20.00 Bricky.	31.50 Bricole.	51.00 Bridgy.
Nickel Plated, per doz.,	$22.50 Bridler.	34.00 Bridoon.	54.00 Briered.

"EXTRA PATTERN" COMPRESSION ANGLE STOPS.

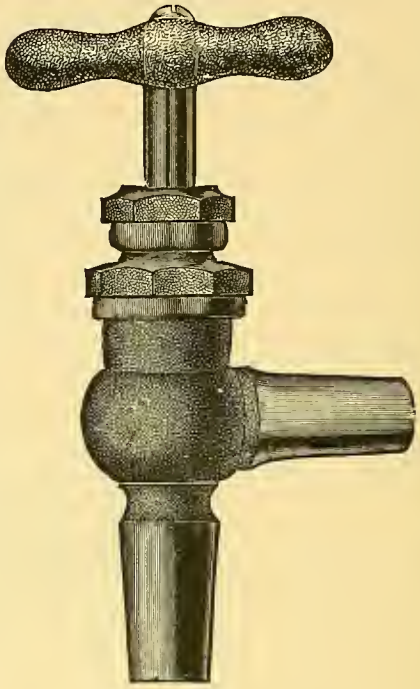
FOR LEAD AND IRON PIPE.



A–226.

Size,	½	⅝	¾ in.
Rough, per doz.,	$12.50 Breccia.	14.00 Brede.	21.50 Breeding.

FOR LEAD PIPE.

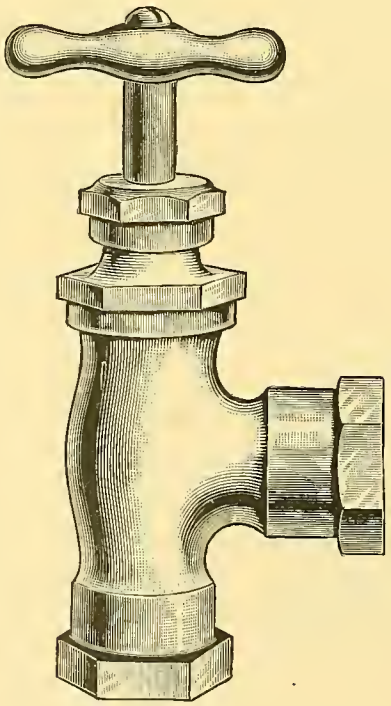


A–227.

Size,	½	⅝	¾ in.
Rough, per doz.,	$11.50 Breezo.	13.00 Brehon.	19.50 Breen.

"EXTRA PATTERN" COMPRESSION ANGLE STOPS.

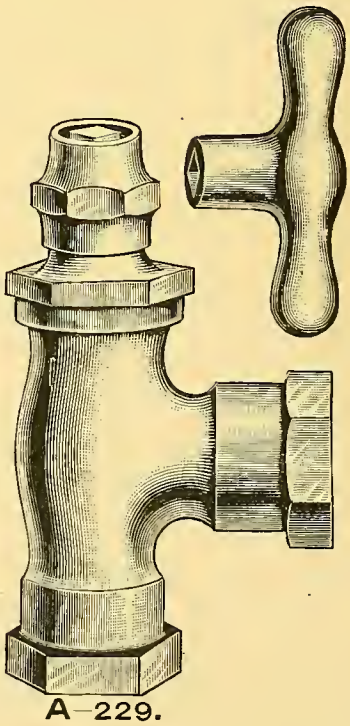
FOR IRON PIPE.



A–228.

Size,	½	¾ in.
Finished, per doz.,	$14.00 Brettice.	24.50 Bretti.
Nickel Plated, per doz.,	$16.50 Brevany.	27.00 Brevia.

FOR IRON PIPE, WITH LOOSE KEY.



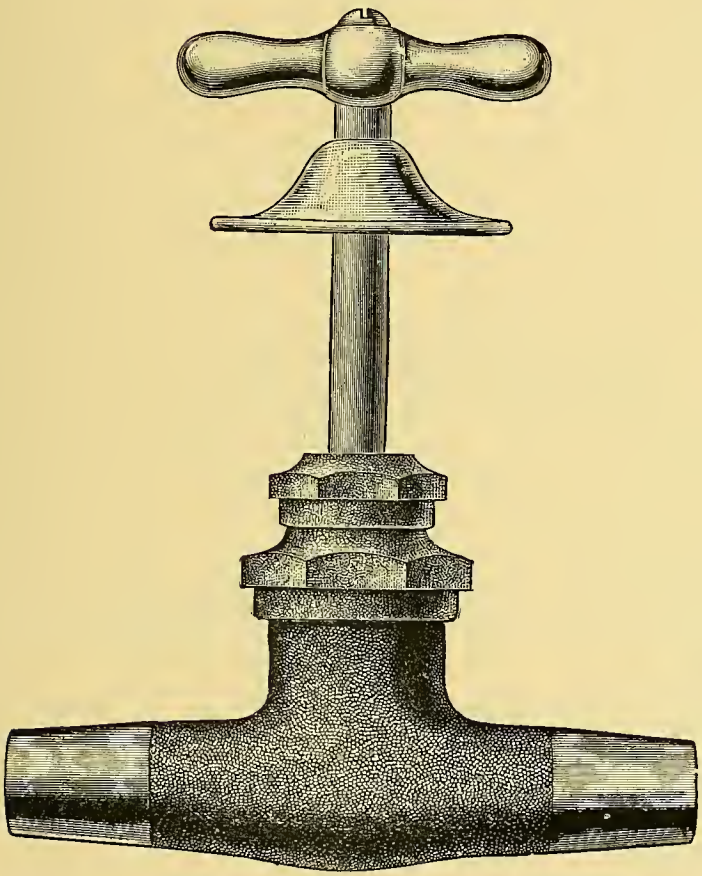
A–229.

Size,	½	¾ in.
Finished, per doz.,	$20.00 Brevray.	31.50 Brevip.
Nickel Plated, per doz.,	$22.50 Brevin.	34.00 Brevrep.

"EXTRA PATTERN"

STRAIGHT COMPRESSION HOPPER COCKS.

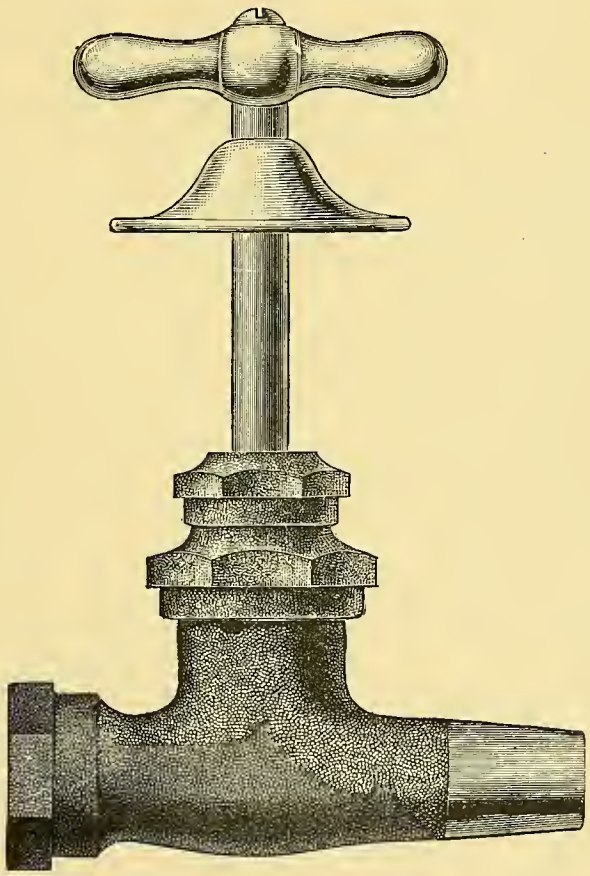
FOR LEAD PIPE.



A—230.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$20.00 Brent.	23.00 Bret.	31.00 Bretful.
Rough, Nickel Plated Flange and Handle, per doz.,	$22.50 Breton.	25.50 Breve.	33.50 Breviate.

FOR LEAD AND IRON PIPE.



A—231.

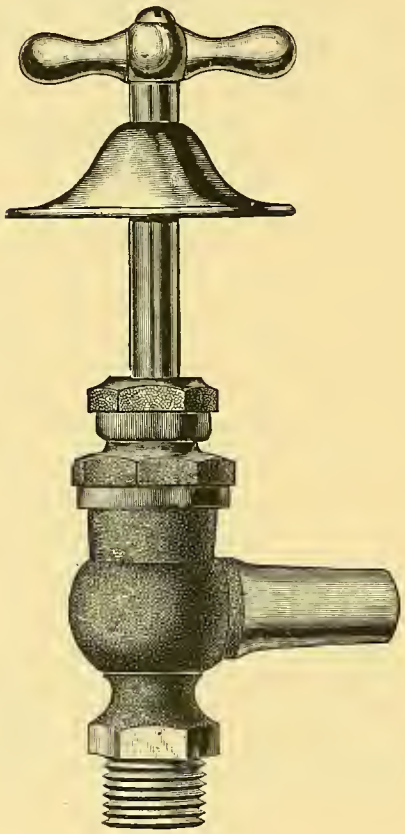
Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$20.50 Brevier.	24.00 Breviped.	32.00 Brewage.
Rough, Nickel Plated Flange and Handle, per doz.,	$23.00 Brewing.	26.50 Brewis.	34.50 Breziline.

NOTE—**A-231** will always be furnished with **Iron Pipe End** for **Pressure,** unless otherwise ordered.

"EXTRA PATTERN"

LONG STEM COMPRESSION HOPPER COCKS.

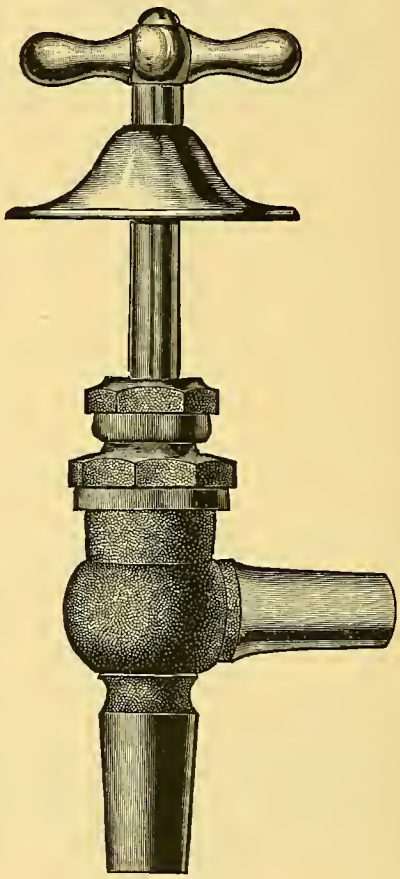
FOR IRON PIPE



A–232.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$19.00 Brethren.	22.00 Brevet.	29.00 Brevity.
Rough, Nickel Plated Flange and Handle, per doz.,	$21.50 Brew.	24.50 Brewer.	31.50 Brewery.

FOR LEAD PIPE.



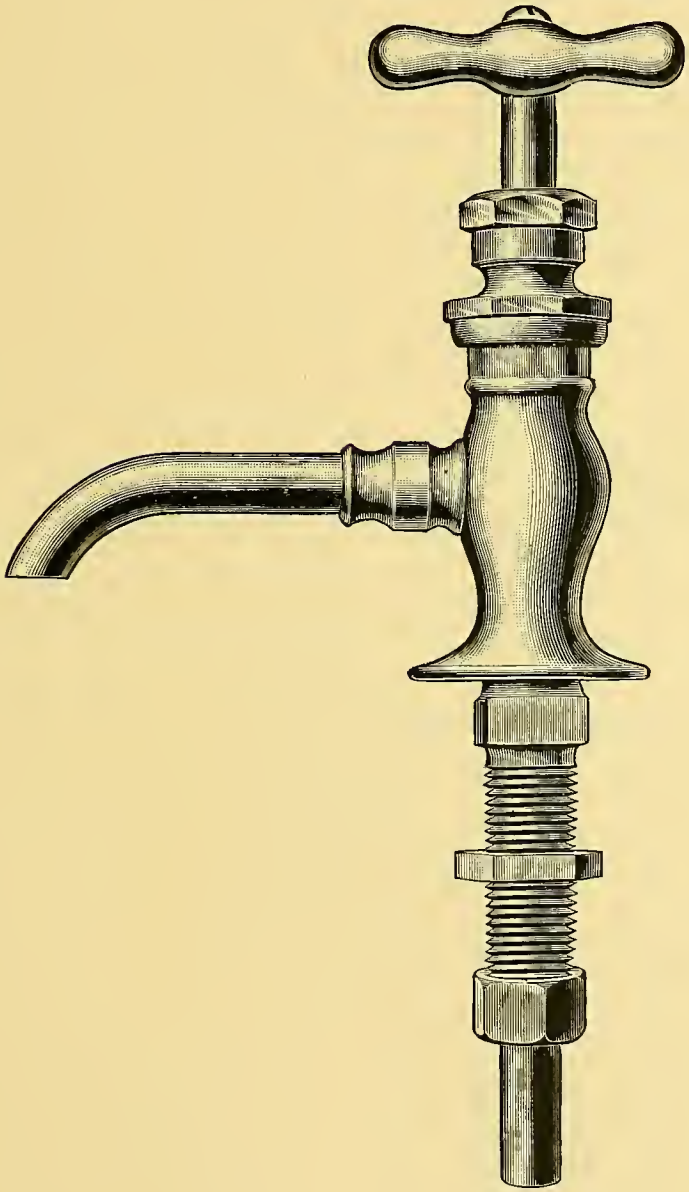
A–233.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$18.00 Bridal.	21.00 Bride.	27.00 Bridewell.
Rough, Nickel Plated Flange and Handle, per doz.,	$20.50 Bridge.	23.50 Bridalfy.	29.50 Brief.

"EXTRA PATTERN"

COMPRESSION BASIN COCKS.

"T" HANDLE.



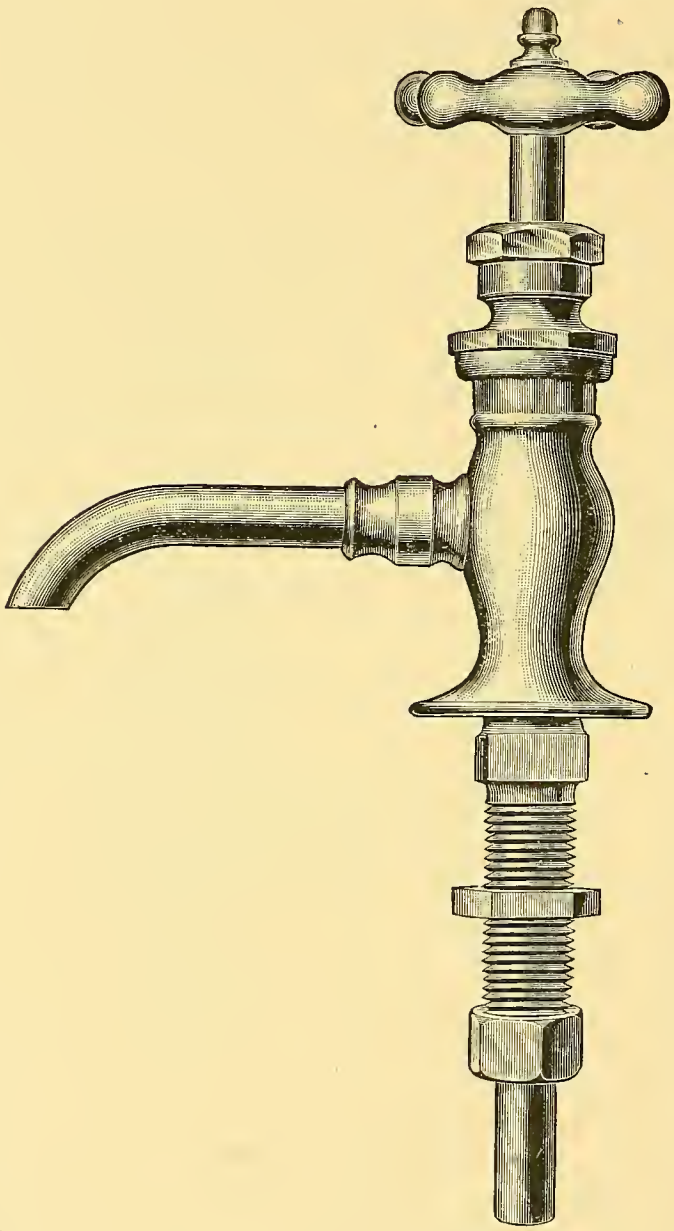
A—234.

Finished, per doz.,	$18.00 Brighten.
Nickel Plated, per doz.,	$21.00 Brilliant.

"EXTRA PATTERN"

COMPRESSION BASIN COCKS.

CROSS HANDLE.



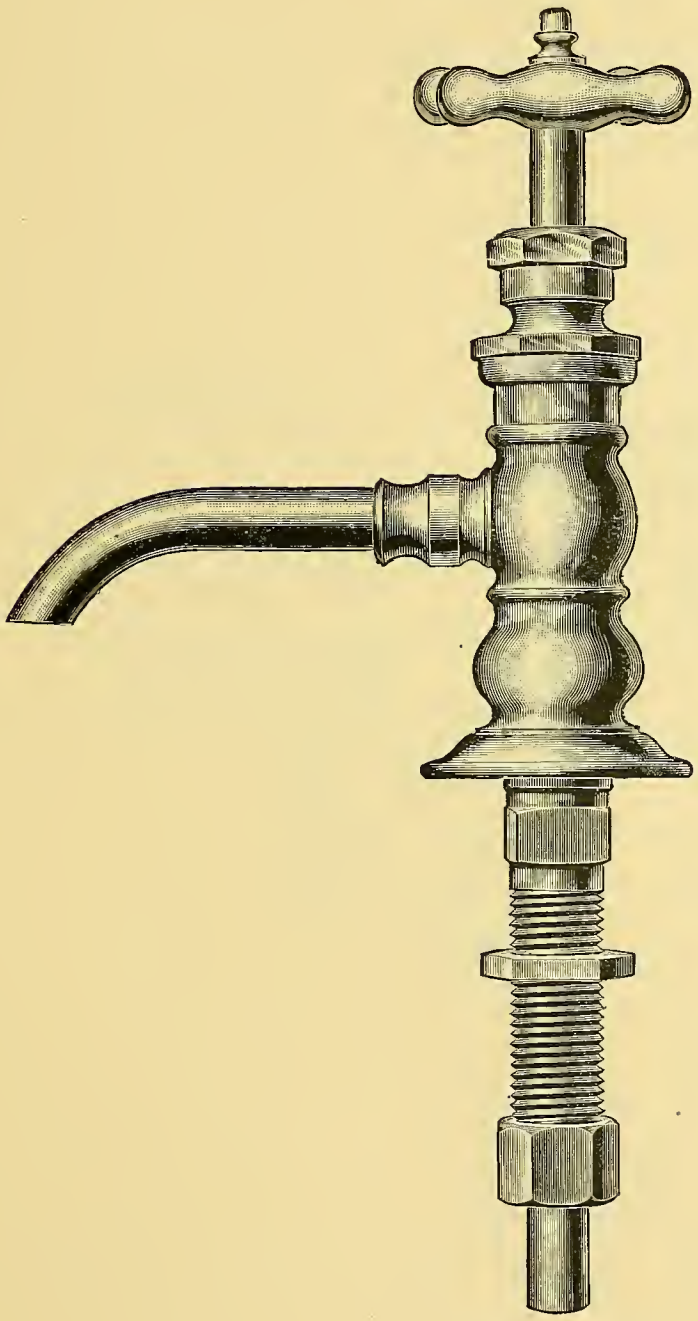
A—235.

Finished, per doz.,	$21.00 Brimstone.
Nickel Plated, per doz.,	$24.00 Brine.

"EXTRA PATTERN"

COMPRESSION BASIN COCKS.

CROSS HANDLE.



A—236.

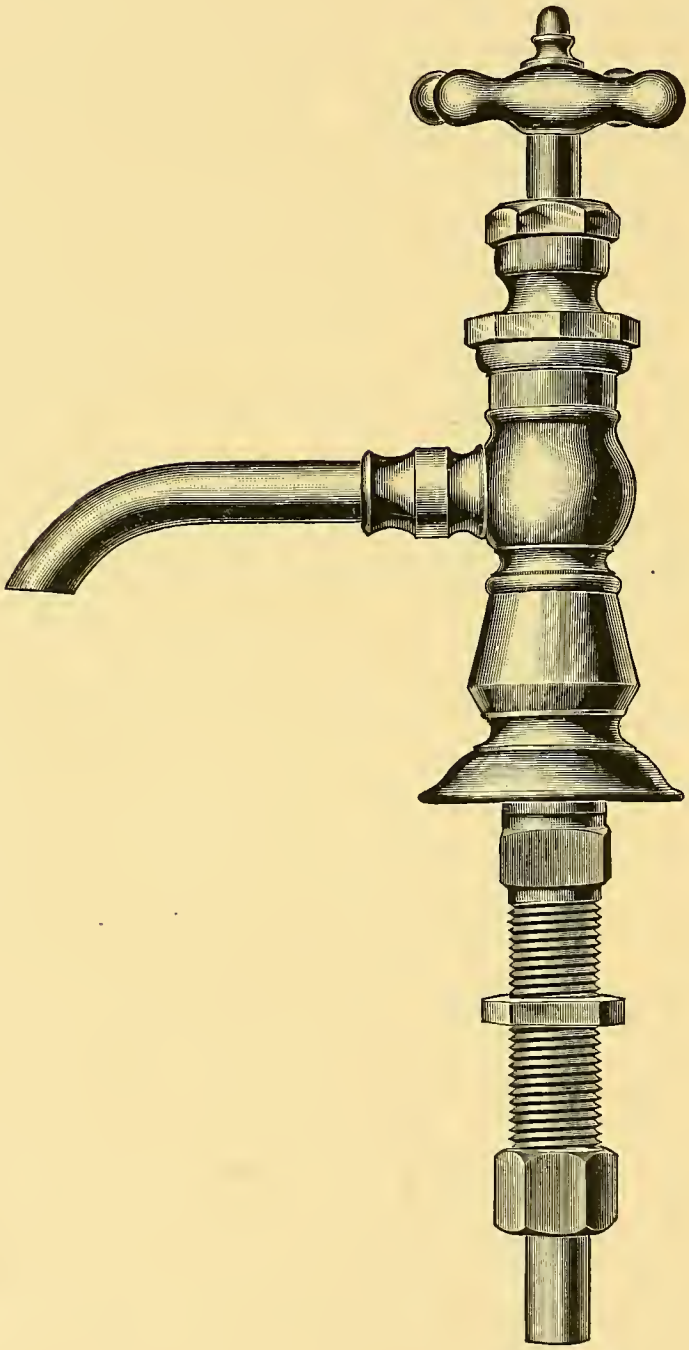
Finished, per doz.,	$26.00 Briny.
Nickel Plated, per doz.,	$30.00 Brink.

Deduct if with "T" Handle, per doz., $2.00 Brin.

"EXTRA PATTERN"

COMPRESSION BASIN COCKS.

CROSS HANDLE.



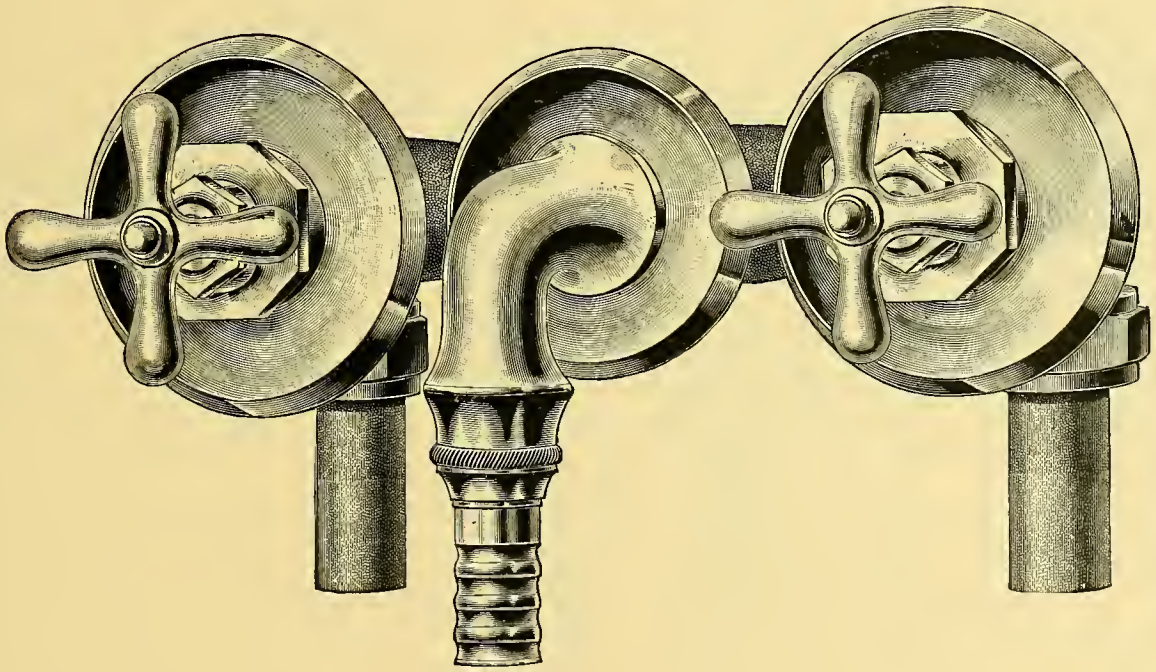
A—237.

Finished, per doz.,	$28.00 Bristle.
Nickel Plated, per doz.,	$32.00 Bristly.
Deduct if with "T" Handle, per doz.,	$2.00 Brist.

"EXTRA PATTERN"

COMPRESSION DOUBLE BATH COCK, No. 3½.

HANDLES IN FRONT.



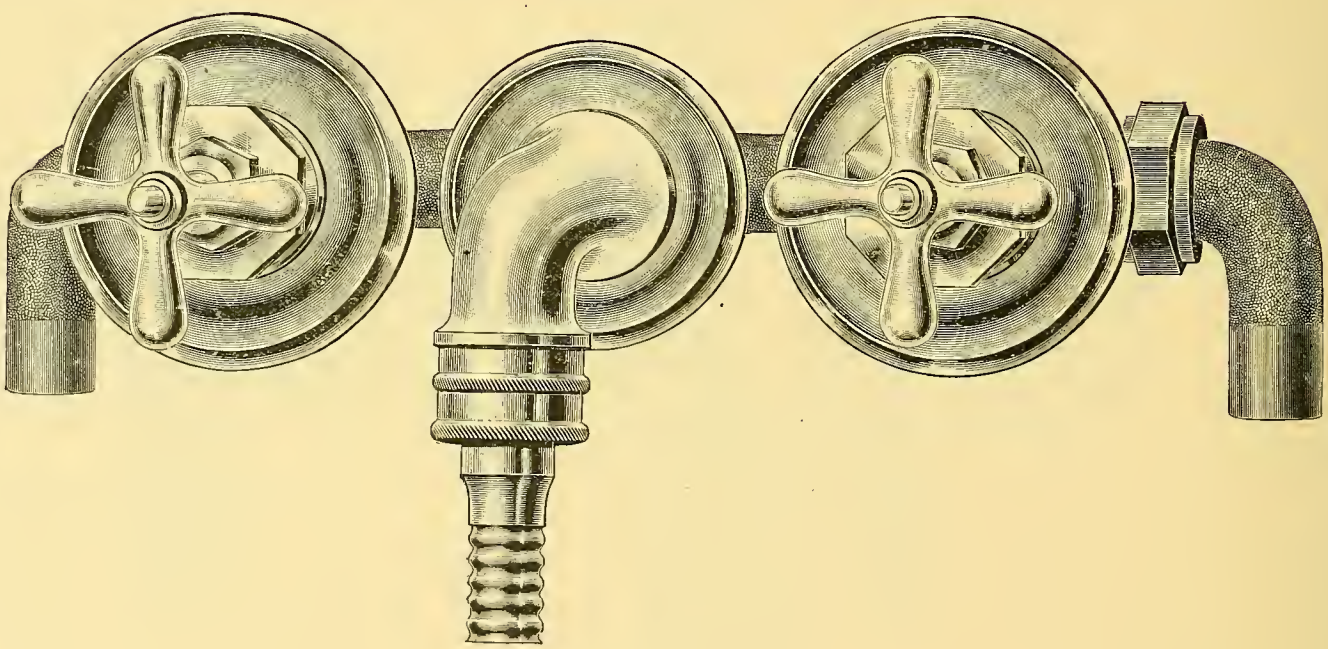
A–238.

Finished, each, ...	$5.50 Broaden.
Nickel Plated, each, ...	$6.00 Brocade.

"EXTRA PATTERN"

COMPRESSION DOUBLE BATH COCK, No. 4.

HANDLES IN FRONT.

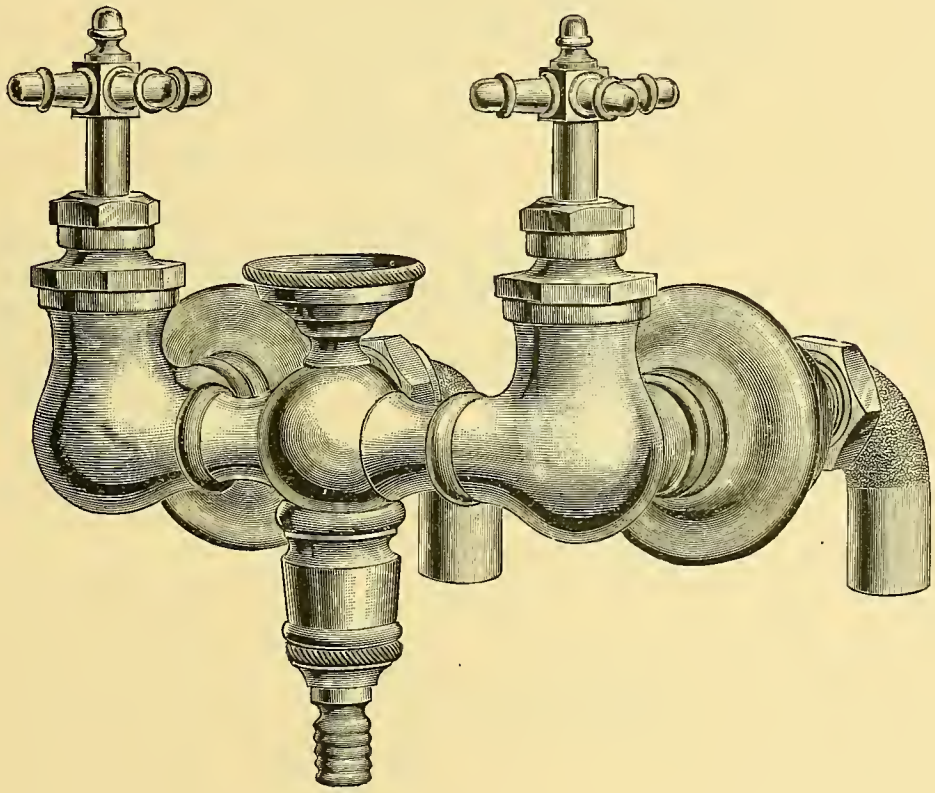


A—239.

Finished, each,	$7.50 Briton.
Nickel Plated, each,	$8.00 Broach

"EXTRA PATTERN"

COMPRESSION DOUBLE BATH COCK, No. 5.



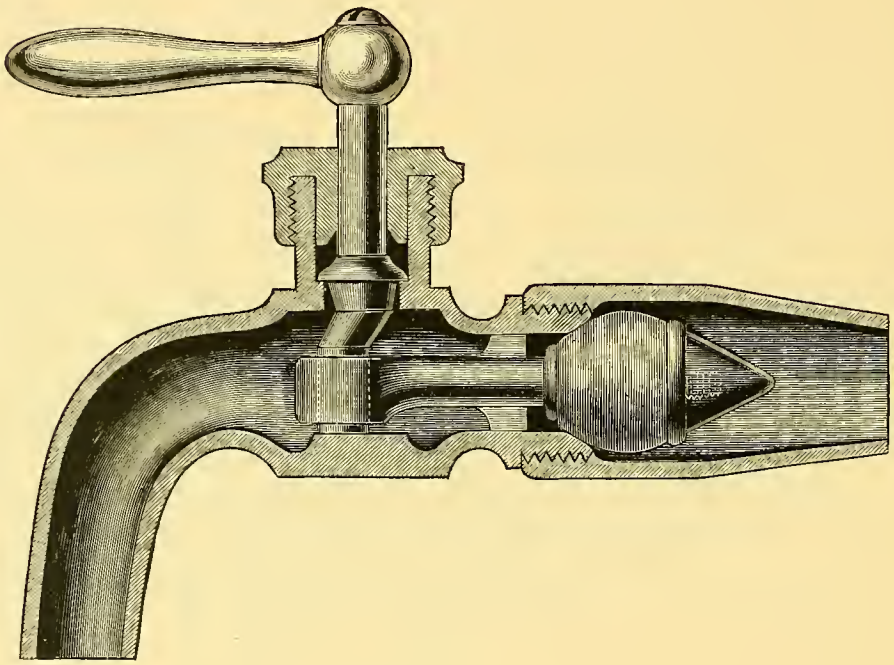
A–240.

Finished, each,	$8.00 Broil.
Nickel Plated, each.	$8.50 Broiler.

FULLER WORK.

SECTIONAL VIEW OF FULLER FAUCET.

AS MADE BY THE L. WOLFF MFG. CO.



A—241.

N. B.—All Cocks made somewhat like Fuller Cocks are not the "Fuller Cock." Look for the name "Fuller;" its absence shows the counterfeit.

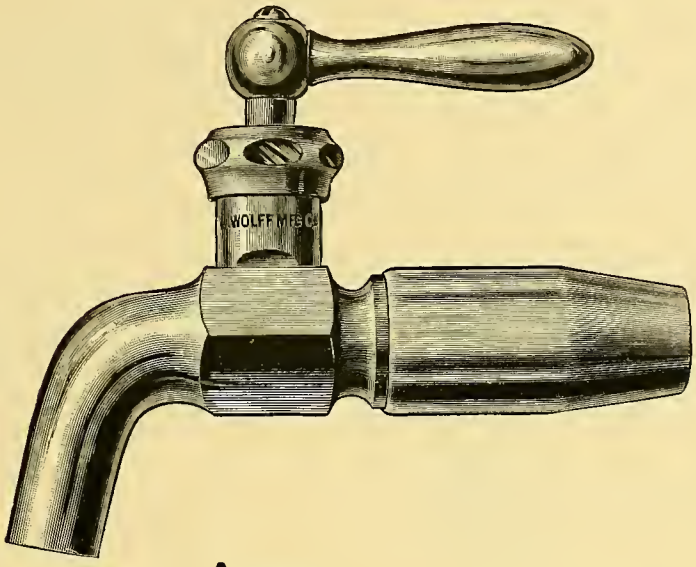
The genuine has lead and wick packing around the stem, absolutely insuring against leakage; and has a taper nut at end of stem, to avoid water hammer or concussion in the pipes.

The rubber ball, upon which the great durability of the Faucet depends, is a secret composition, to be had only in the genuine article.

Imitations are called improvements, etc., but are experiments or subterfuges made either to avoid legal rights or cheapen the article, and, naturally, the quality has suffered.

To get what you ought to have and what you expect. call for "Wolff's make Fuller Work," as the genuine have our name and "Fuller" stamped on them.

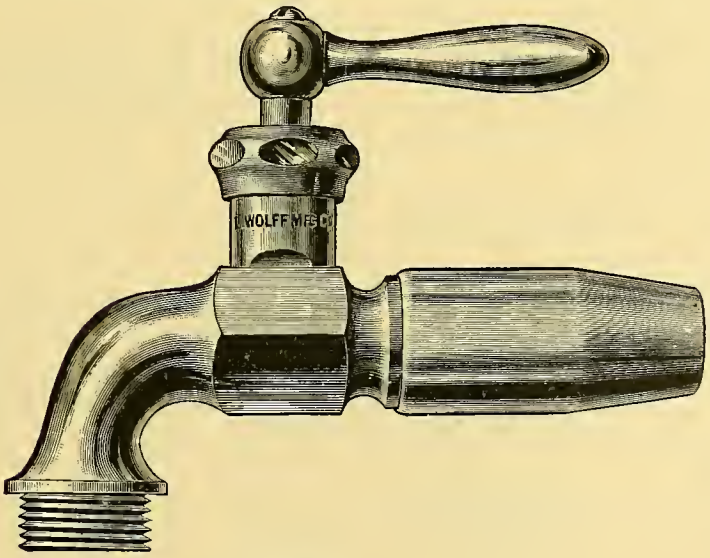
FULLER PLAIN BIBBS.



A–242.

Size,	3/8	1/2	5/8	3/4	1	1 1/4 in.
Finished, per doz.,	$16.00 Broker.	18.00 Brokerage.	20.00 Bronchial.	26.00 Bronchitis.	36.00 Bronze.	56.00 Brooch.
Nickel Plated, per doz.,	$20.00 Brood.	22.00 Brook.	24.00 Broom.	32.00 Broomy.	46.00 Broth.	70.00 Brow.

FULLER HOSE BIBBS.

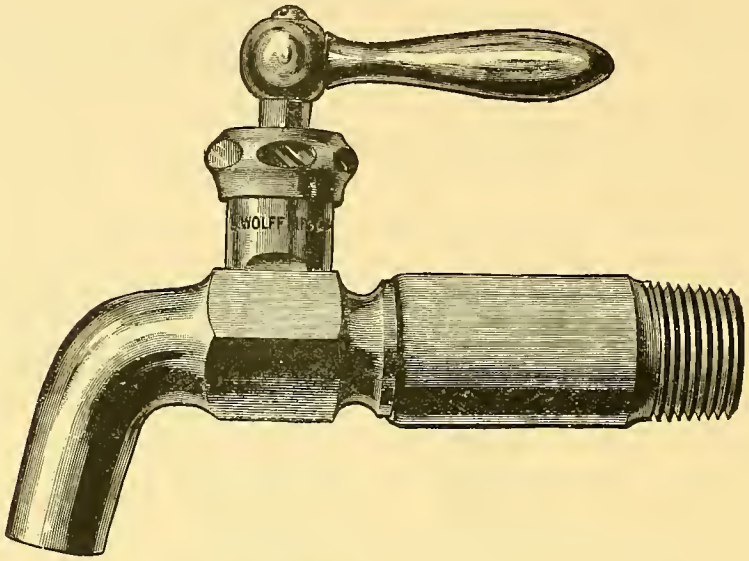


A–243.

Size,	1/2	5/8	3/4	1 in.
Finished, per doz.,	$21.00 Brunette.	24.00 Brunt.	30.00 Brush.	38.00 Brushy.
Nickel Plated, per doz.,	$25.00 Bubble.	28.00 Buccaneer.	36.00 Buck.	48.00 Bucket.

FULLER PLAIN BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.

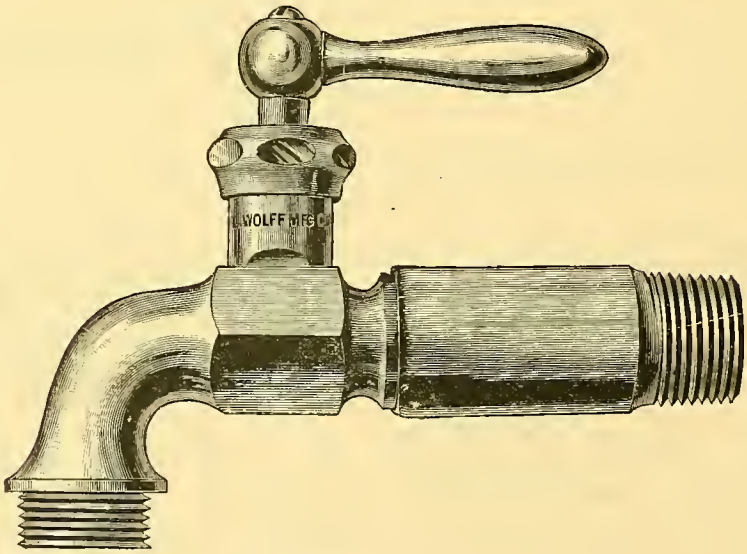


A—244.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$21.00 Buckskin.	24.00 Bucolic.	30.00 Bud.	40.00 Budge.
Nickel Plated, per doz.,	$25.00 Budgero.	28.00 Budget.	35.00 Budlet.	48.00 Buff.

FULLER HOSE BIBBS, FOR IRON PIPE.

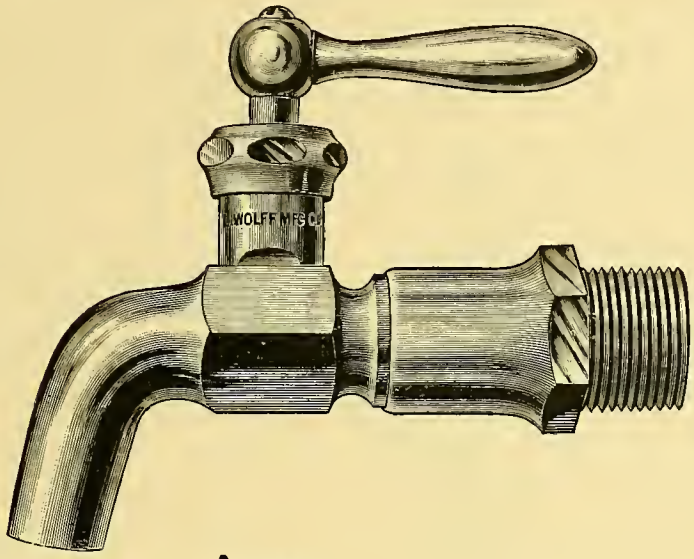
WITHOUT SHOULDER.



A—245.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$24.00 Bug.	27.00 Bugbear.	32.00 Buggy.	42.00 Bugle.
Nickel Plated, per doz.,	$28.00 Buhrstone.	31.00 Build.	37.00 Builder.	50.00 Bulb.

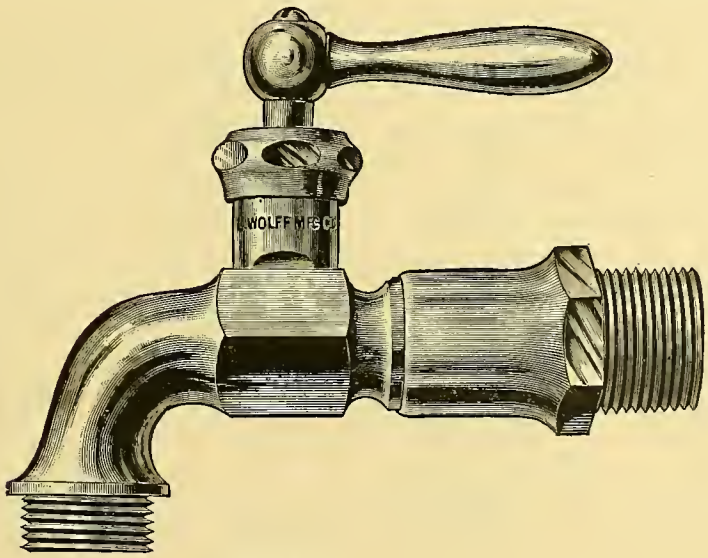
FULLER PLAIN BIBBS, FOR IRON PIPE.



A–246.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$21.00 Bulky.	24.00 Bull.	30.00 Bullet.	40.00 Bulletin.
Nickel Plated, per doz.,	$25 00 Bullion.	28 00 Bullock.	35.00 Bullseye.	48.00 Bullrush.

FULLER HOSE BIBBS, FOR IRON PIPE.

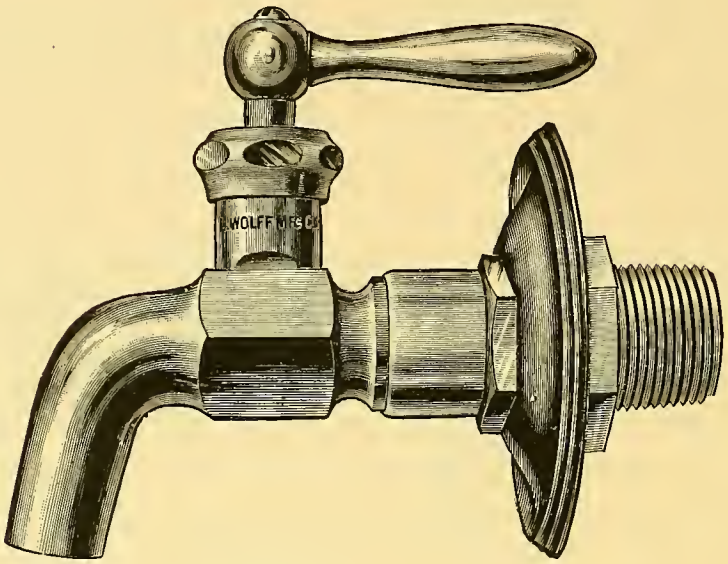


A–247.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$24 00 Bunch.	27.00 Bundle.	32.00 Bung.	42.00 Bungle.
Nickel Plated, per doz.,	$28.00 Bunion.	31.00 Bunk.	37.00 Bunting.	50.00 Buoy.

FULLER PLAIN BIBBS, WITH FLANGE.

FOR IRON PIPE.

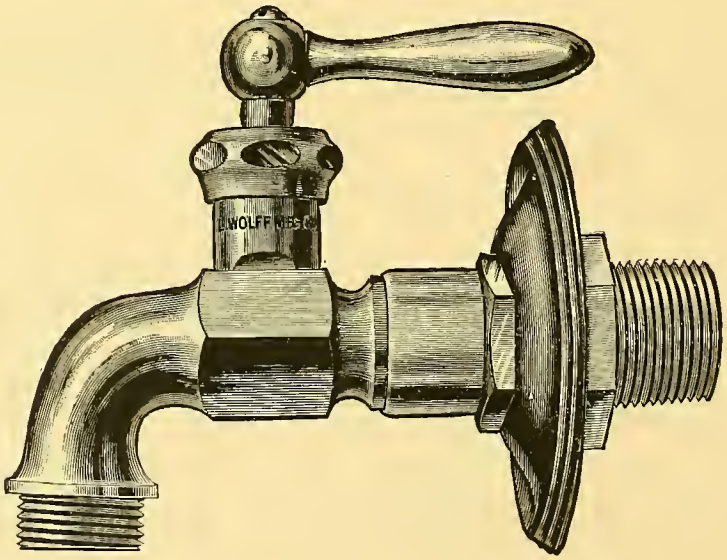


A—248.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$29.00 Buoyage.	32.00 Bour.	40.00 Burbot.	52.00 Burdelais.
Nickel Plated, per doz.,	$35.00 Burdenous.	38.00 Burdock.	46.00 Burette.	62.00 Burgage.

FULLER HOSE BIBBS, WITH FLANGE.

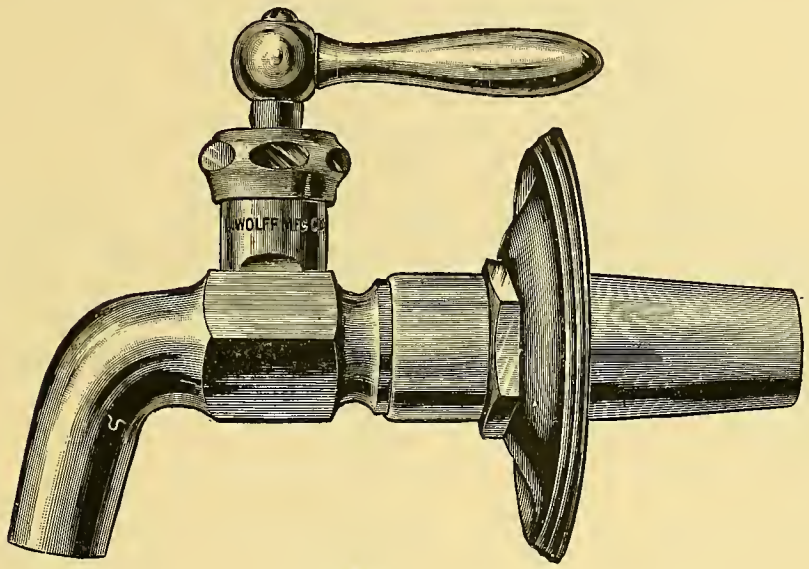
FOR IRON PIPE.



A—249.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$32.00 Burgall.	36 00 Burgamot.	44.00 Burganet.	56.00 Burgee.
Nickel Plated, per doz.,	$38.00 Burgois.	42.00 Burggrave.	50.00 Burgh.	66.00 Burgoo.

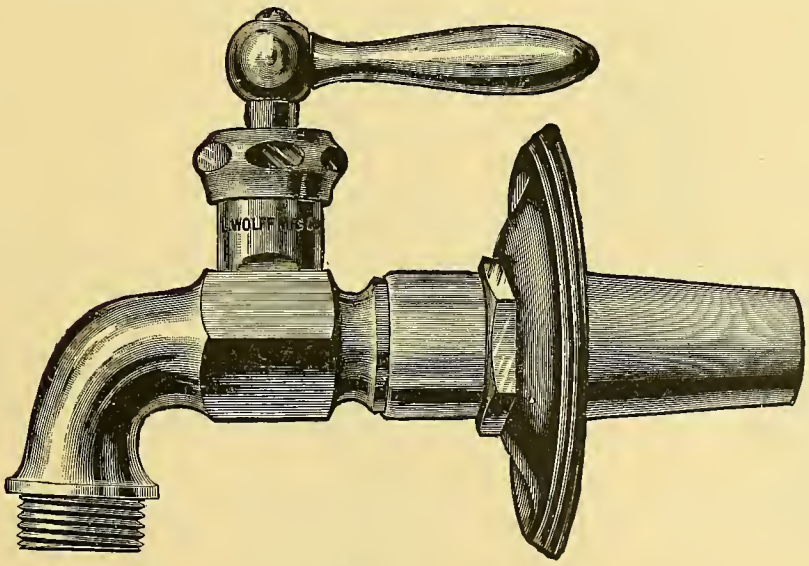
FULLER PLAIN BIBBS, FLANGE AND THIMBLE.



A–250.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$23.00 Burg.	26.00 Burgess.	28.00 Burgher.	36.00 Burglar.	48.00 Burgundy.
Nickel Plated, per doz.,	$28.00 Burin.	32.00 Burl.	34.00 Burlesque.	42.00 Burly.	58.00 Burner.

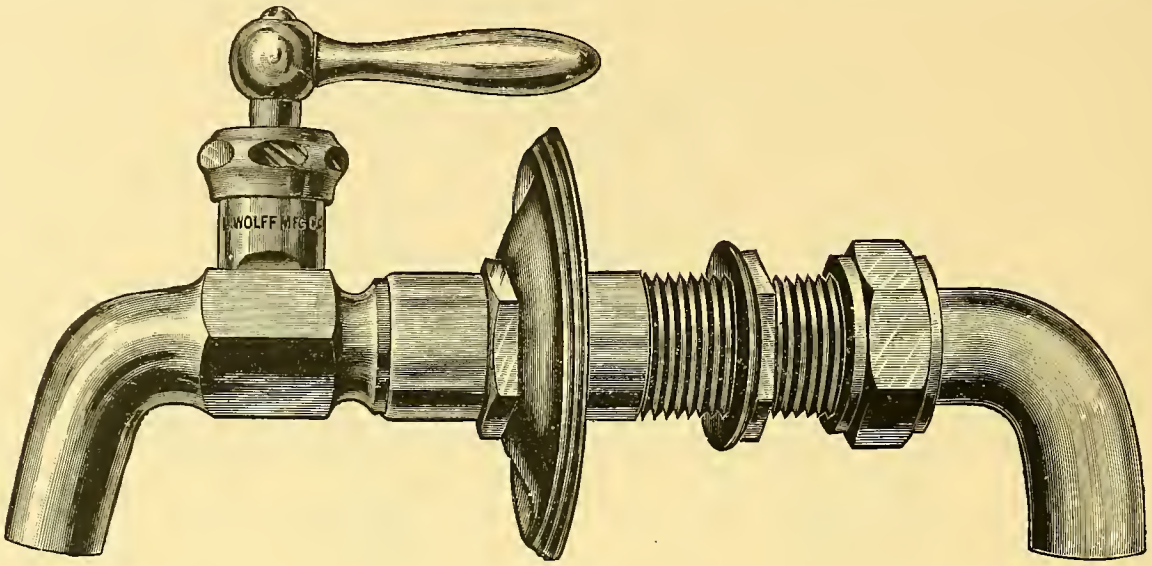
FULLER HOSE BIBBS, FLANGE AND THIMBLE.



A–251.

Size,	3/8	1/2	5/8	3/4	1 in.
Finished, per doz.,	$26.00 Burnos.	29.00 Burrel.	32.00 Burrock.	40.00 Burry.	52.00 Burker.
Nickel Plated, per doz.,	$31.00 Burt.	35.00 Bury.	38 00 Burse.	46.00 Busby.	62.00 Bushet.

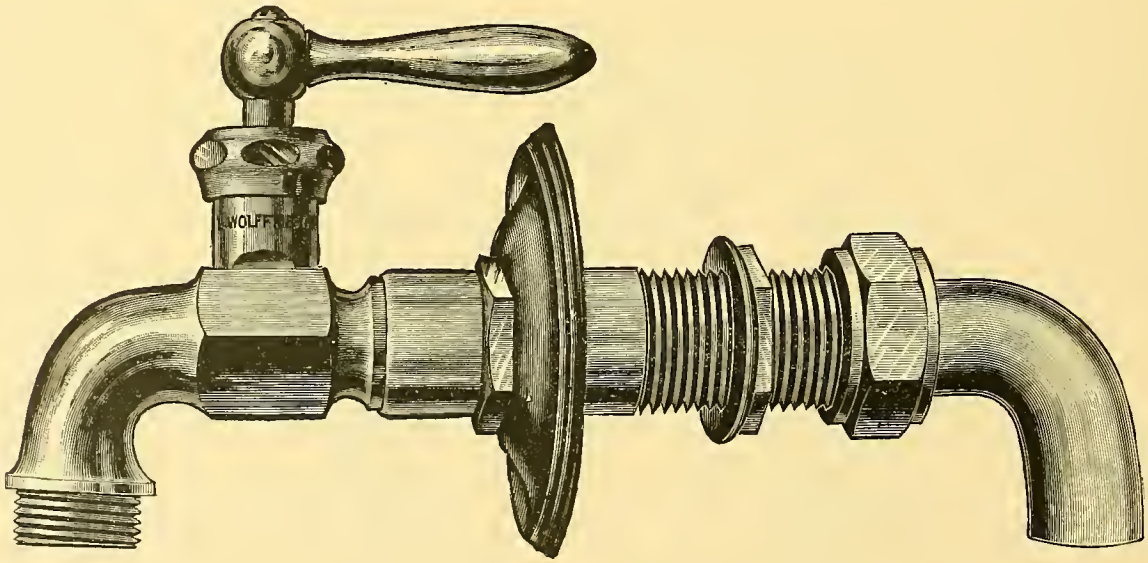
FULLER PLAIN BIBBS, FLANGE, NUT AND BENT COUPLING.



A—252.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$35.00 Business.	40.00 Busk.	54.00 Buskin.	72.00 Buss.
Nickel Plated, per doz.,	$41.00 Bust.	46.00 Bustle.	60.00 Busy.	82.00 Butt.

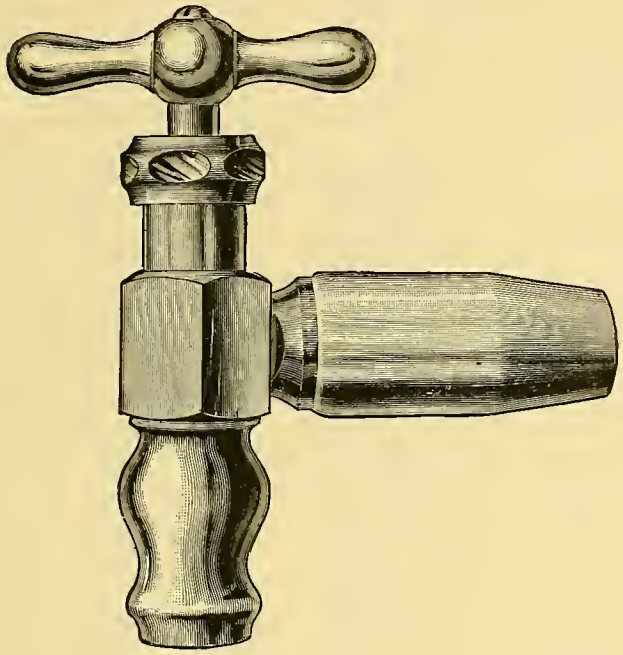
FULLER HOSE BIBBS, FLANGE, NUT AND BENT COUPLING.



A—253.

Size,	½	⅝	¾	1. in.
Finished, per doz.,	$38 00 Button.	44.00 Buttress.	58.00 Buttshaft.	76.00 Buy.
Nickel Plated, per doz.,	$44.00 Byard.	50 00 Bygone.	64.00 Bylane.	86.00 Bylaw.

FULLER UPRIGHT BATH BIBBS.

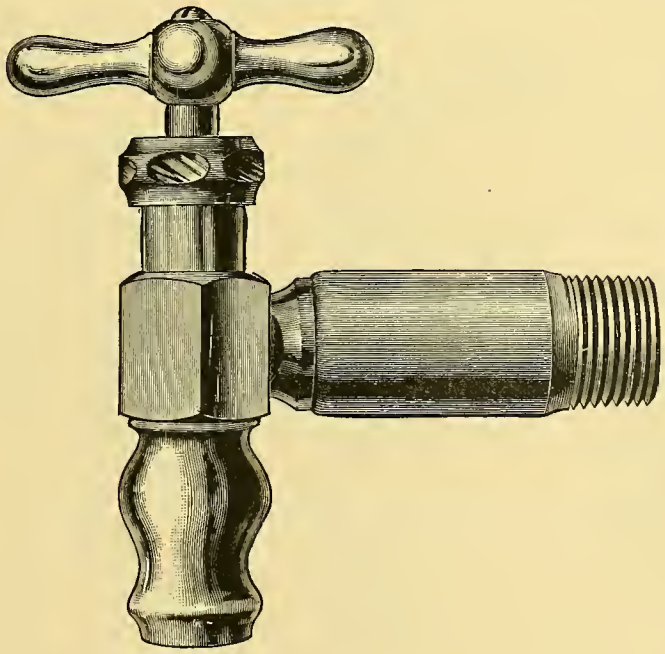


A—254.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$18.00 Butyrine.	20.00 Buxom.	26.00 Buyer.	36.00 Buzz.
Nickel Plated, per doz.,	$22.00 Buzzard.	25.00 Buzzing.	32.00 Byssine.	42.00 Cab.

FULLER UPRIGHT BATH BIBBS, FOR IRON PIPE.

WITHOUT SHOULDER.

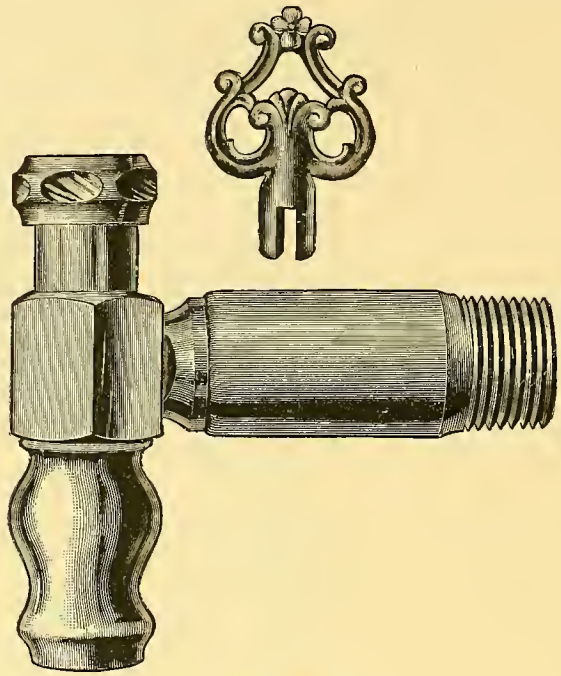


A—255.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$20.00 Cake.	23.00 Calabash.	30.00 Calamity.	44.00 Calamus.
Nickel Plated, per doz.,	$24.00 Calash.	28.00 Calcine.	36.00 Calculate.	50.00 Calculator.

FULLER UPRIGHT BATH BIBBS, FOR IRON PIPE.

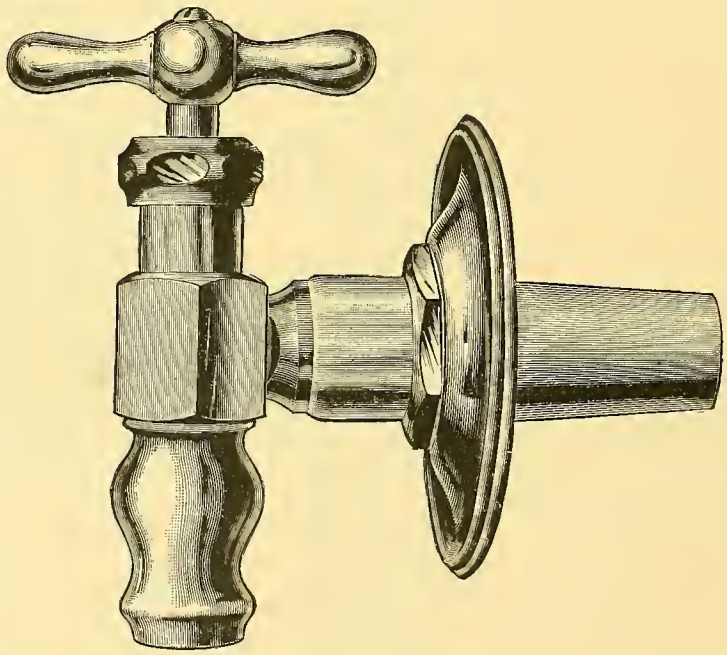
LOOSE KEY.



A—256.

Size,	½	⅝ in.
Finished, per doz.,	$24.00 Calculus.	28.00 Caldron.
Nickel Plated, per doz.,	$30.00 Calefy.	36.00 Calender.

FULLER UPRIGHT BATH BIBBS, FLANGE AND THIMBLE.

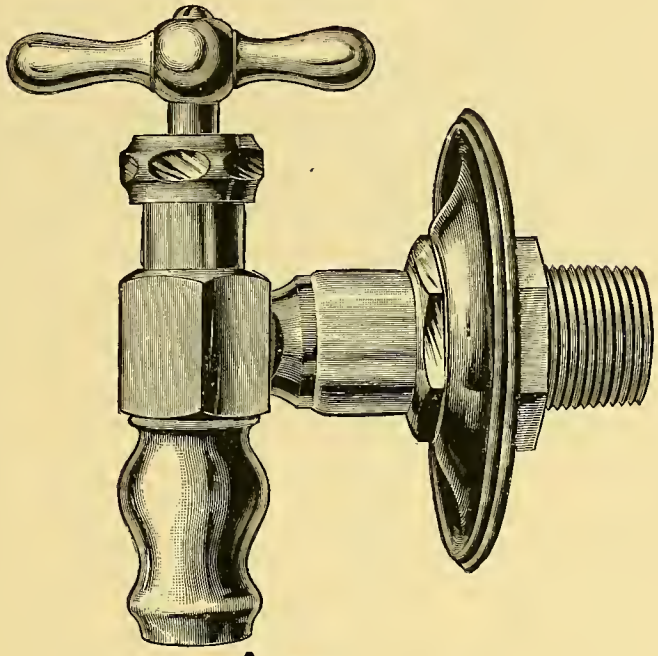


A—257.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$25.00 Cabbage.	28.00 Cabin.	34.00 Cabinet.	48.00 Cable.
Nickel Plated, per doz.,	$31.00 Caboose.	34.00 Cabriolet.	40.00 Cacoa.	56.00 Cache.

FULLER UPRIGHT BATH BIBBS, WITH FLANGE.

FOR IRON PIPE.

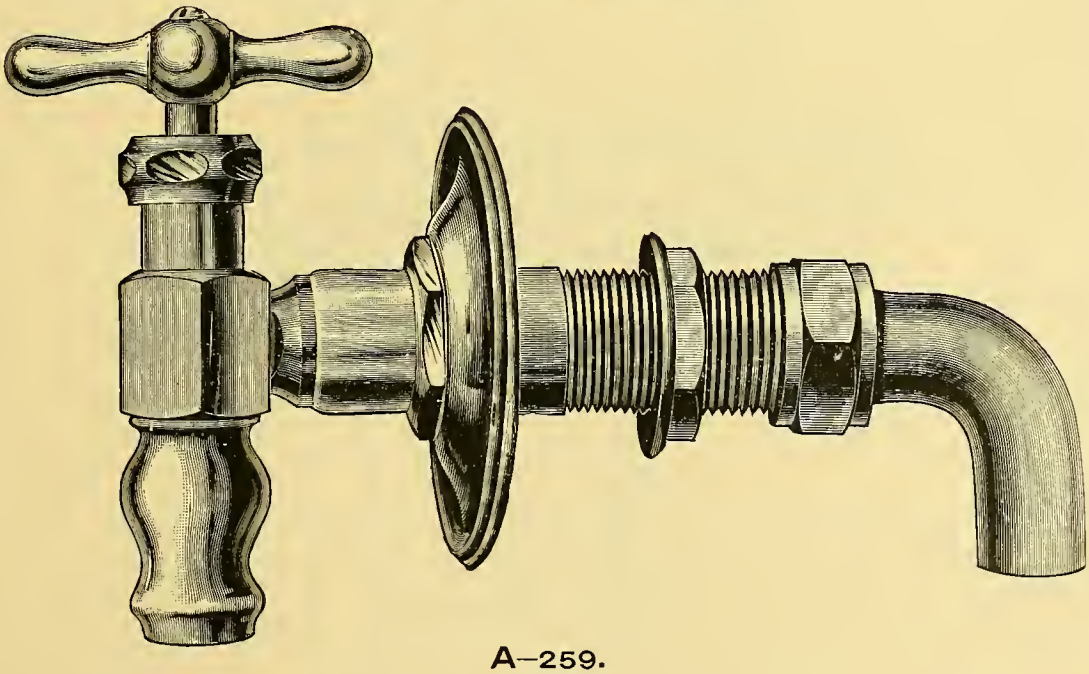


A—258.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$28.00 Cachet.	32.00 Cachiri.	38.00 Cachuca.	52.00 Cachunde.
Nickel Plated, per doz.,	$34.00 Cacique.	38.00 Cack.	44.00 Cackler.	60.00 Cactus.

FULLER UPRIGHT BATH BIBBS.

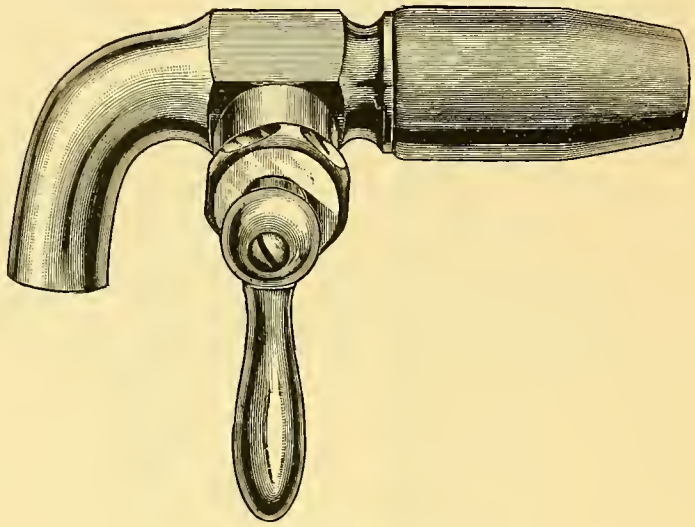
FLANGE, NUT AND BENT COUPLING.



A—259.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$34.00 Cadaverous.	40.00 Caddy.	52.00 Cade.	72.00 Cadence.
Nickel Plated, per doz.,	$40.00 Cadenza.	46.00 Cadet.	58.00 Cadi.	80.00 Caducean.

FULLER WASH TRAY BIBBS.

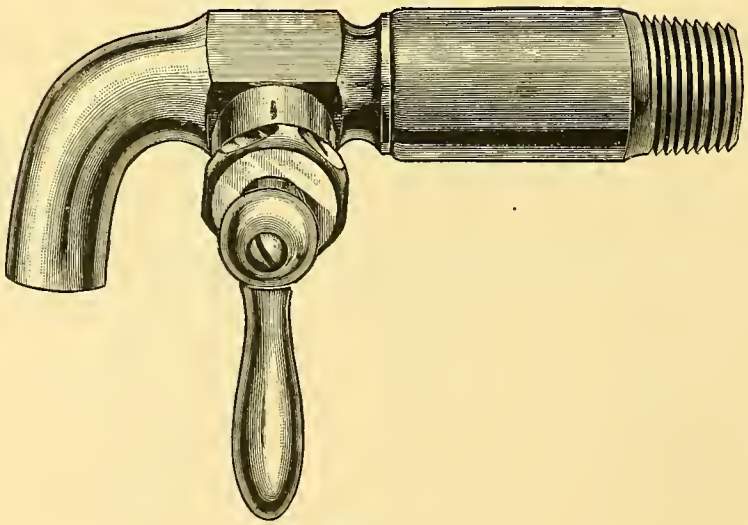


A—260.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$20.00 Calends.	22.50 Calf.	30 00 Calibre.	40.00 Calico.
Nickel Plated, per doz.,	$24.00 Calidity.	26.50 Caliph.	36.00 Caliphate.	50.00 Calk.

FULLER WASH TRAY BIBBS, FOR IRON PIPE.

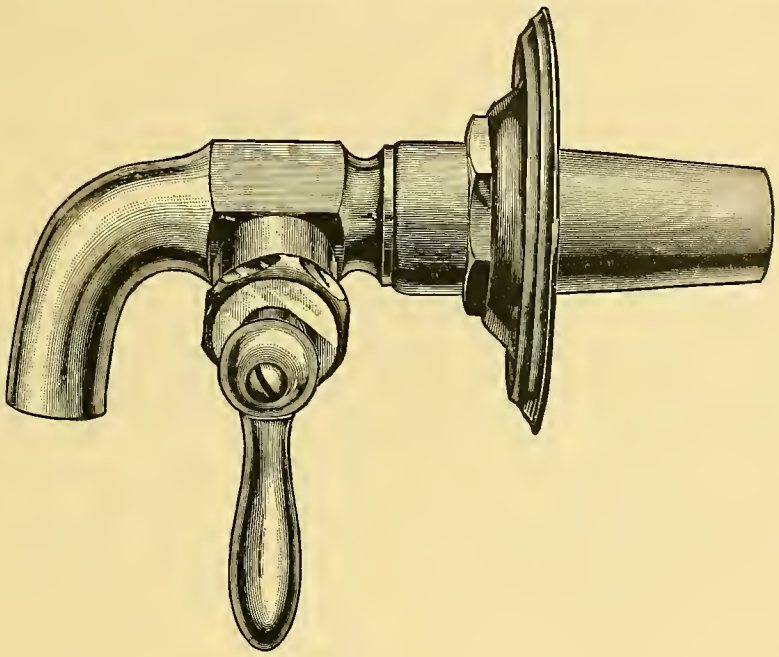
WITHOUT SHOULDER.



A—261.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$23.00 Calker.	26.50 Call.	34.00 Calliope.	44.00 Callosity.
Nickel Plated, per doz.,	$27.00 Callous.	30.50 Callow.	40.00 Calm.	54.00 Calomel.

FULLER WASH TRAY BIBBS, FLANGE AND THIMBLE.

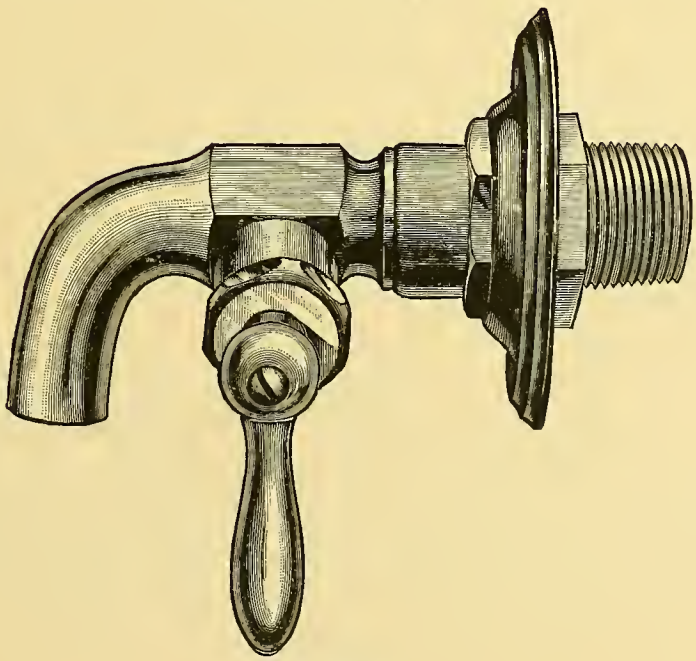


A—262.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$26.00 Caloric.	28.00 Calorific.	36 00 Calotype.	50.00 Calumet
Nickel Plated, per doz.,	$32.00 Calumnate.	34.00 Calvary.	42 00 Calyx.	60.00 Cam.

FULLER WASH TRAY BIBBS, WITH FLANGE.

FOR IRON PIPE.

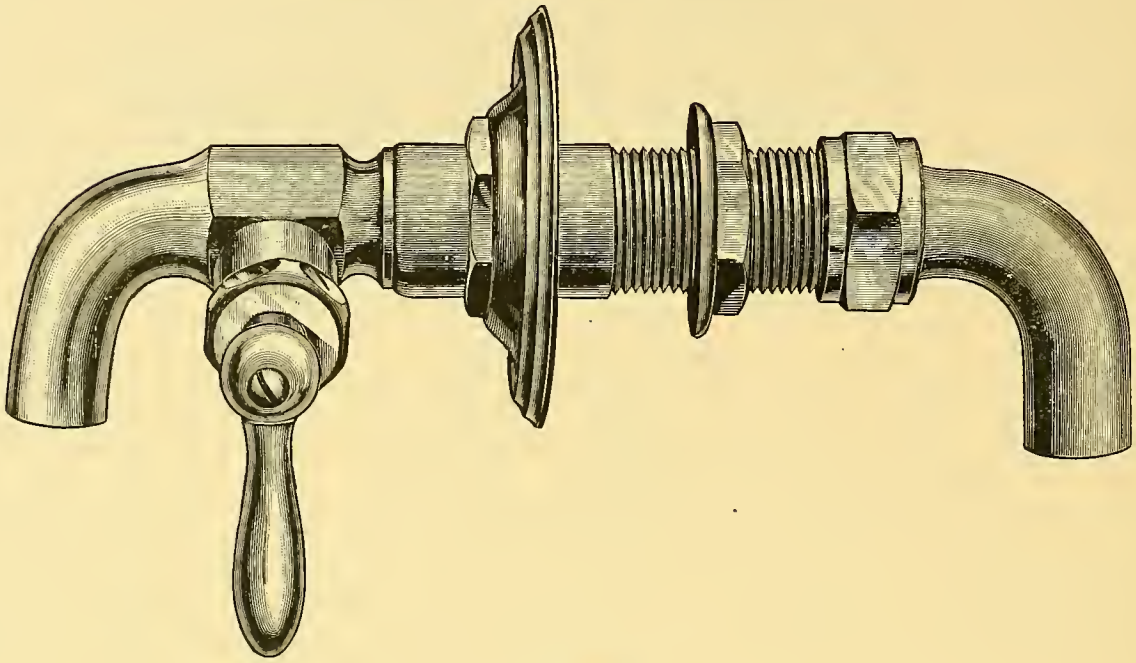


A—263.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$29.00 Camaien.	32.00 Cambial.	40.00 Cambest.	54.00 Cambium.
Nickel Plated, per doz.,	$35.00 Camblet.	38.00 Camboge.	46.00 Camboose.	64 00 Came.

FULLER WASH TRAY BIBBS.

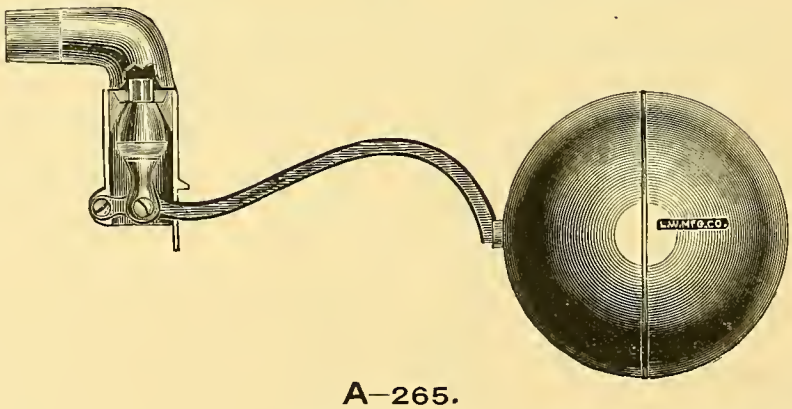
FLANGE, NUT AND BENT COUPLING.



A—264.

Size,	½	⅝	¾	1 in.
Finished, per doz.,	$35.00 Camber.	40.00 Cambric.	54.00 Carmel.	74.00 Cameo.
Nickel Plated, per doz.,	$41.00 Camera.	46.00 Camisade.	60.00 Camlet.	84.00 Camp.

FULLER PATENT BALL COCKS.

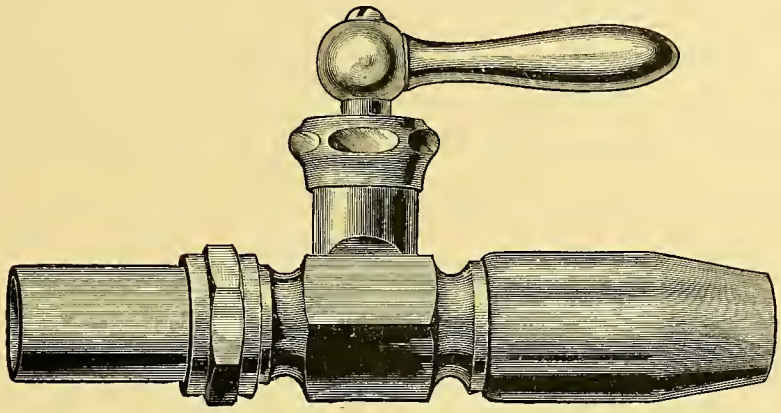


A—265.

Size,	SIZE WITH BALL. ½	SIZE WITH BALL. ⅝	SIZE WITHOUT BALL. ¾	SIZE WITHOUT BALL. 1	SIZE WITHOUT BALL. 1¼	SIZE WITHOUT BALL. 1½ in.
For Lead Pipe, per doz.,	$27.00 Canter.	34.00 Canticle.	50.00 Canting.	60.00 Canto.	75.00 Canton.	90.00 Canvas.
For Iron Pipe, per doz.,	$32.00 Cany.	38.00 Cap.	56.00 Capability.	68.00 Capable.	85.00 Capacity.	100.00 Capapie.

FULLER STOPS.

WITH COUPLING.



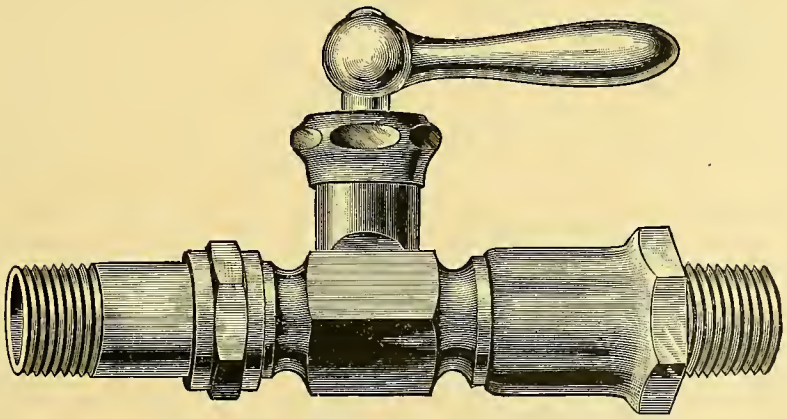
Pressure End.

A—266.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Rough, per doz.,	$18.00 Campaign.	21.00 Camphene.	25.00 Camphor.	36.00 Camphoric.	60.00 Can.	70.00 Canal.	135.00 Canary.
Finished, per doz.,	$20.00 Cancel.	24.00 Candid.	28.00 Candidate.	40.00 Candle.	65.00 Candour.	75.00 Candy.	150.00 Cane.
Nickel Plated, per doz.,	$25.00 Canine	30.00 Canister.	34.00 Cannibal.	50.00 Cannon.			

FULLER STOPS, FOR IRON PIPE.

WITH COUPLING.



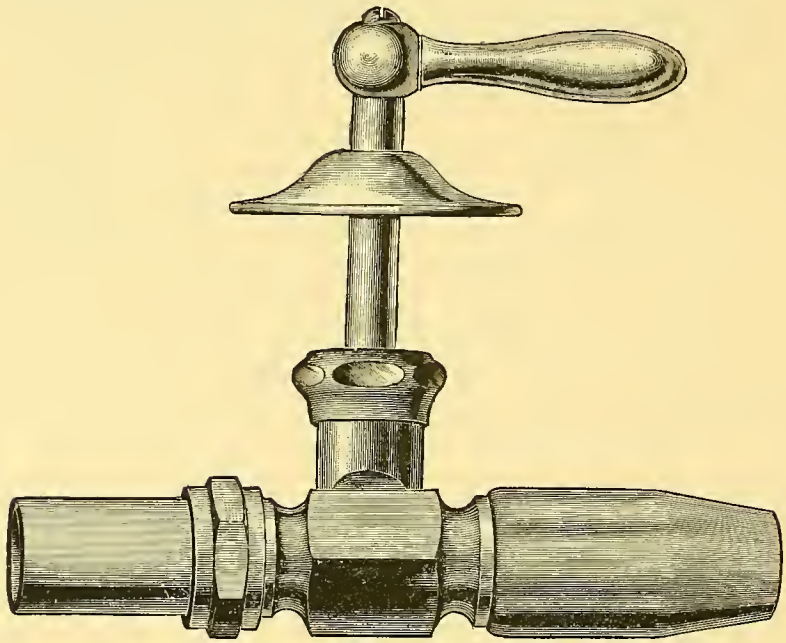
Pressure End.

A—267.

Size,	½	⅝	¾	1	1¼	1½	2 in.
Rough, per doz.,	$19.00 Canaan.	23.00 Canaille.	27.00 Canakin.	39.00 Canard.	64.00 Canaster.	76.00 Canbuoy.	145.00 Cancer.
Finished, per doz.,	$21.00 Cancerate.	26.00 Cancrine.	30.00 Cancroid.	43.00 Candent.	70.00 Canderos.	82.00 Candicant.	175.00 Candied.
Nickel Plated, per doz.,	$26.00 Candify.	32.00 Candist.	36.00 Candite.	53.00 Candock.			

FULLER HOPPER COCKS.

WITH COUPLING.



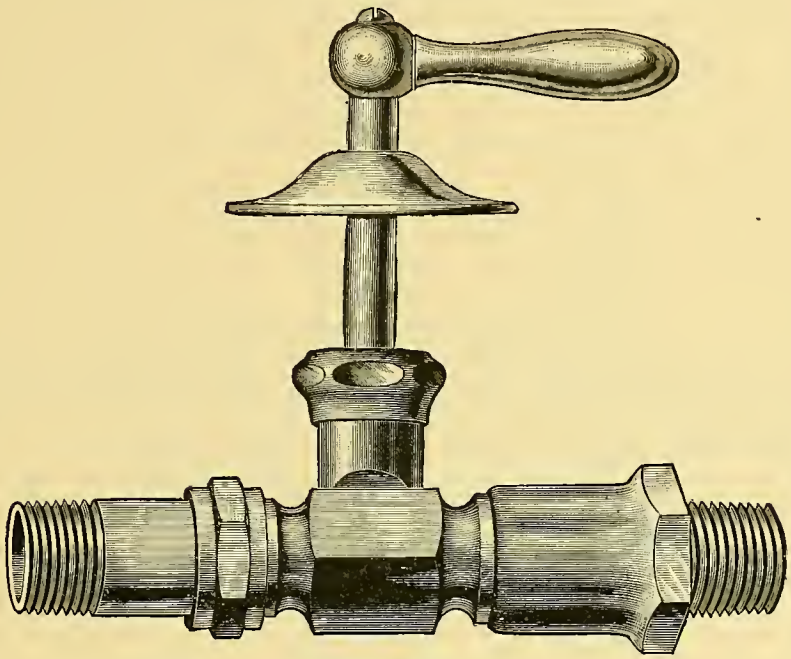
Pressure End.

A—268.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$21.00 Capitalist.	25.00 Capitular.	32.00 Capon.
Rough, Nickel Plated Flange and Handle, per doz.,	$25.00 Caprice.	30.00 Capricious.	38.00 Capricorn.

FULLER HOPPER COCKS, FOR IRON PIPE.

WITH COUPLING.



A–269.

Size,	½	⅝	¾ in.
Rough, Finished Flange and Handle, per doz.,	$23 00 Capelin.	28.00 Capelet.	35.00 Caper.
Rough, Nickel Plated Flange and Handle, per doz.,	$27.00 Capias.	33 00 Capilose.	41.00 Capivi.

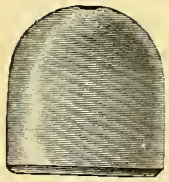
FULLER WORK TRIMMINGS.

ECCENTRIC.

A–270.

Size,	½ and ⅝	¾	1 in.
Per doz., net,	$3.00 Captor.	4.00 Capture.	6.00 Car.

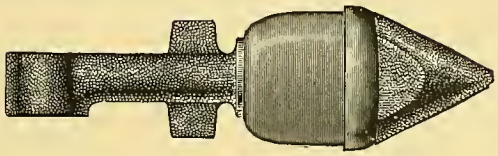
RUBBER BALL.



A–271.

Size,	½ and ⅝	¾	1	1¼ in.
Per doz., net,	$0 75 Caracole.	1.00 Carafe.	1.25 Carat.	2.00 Caravan.

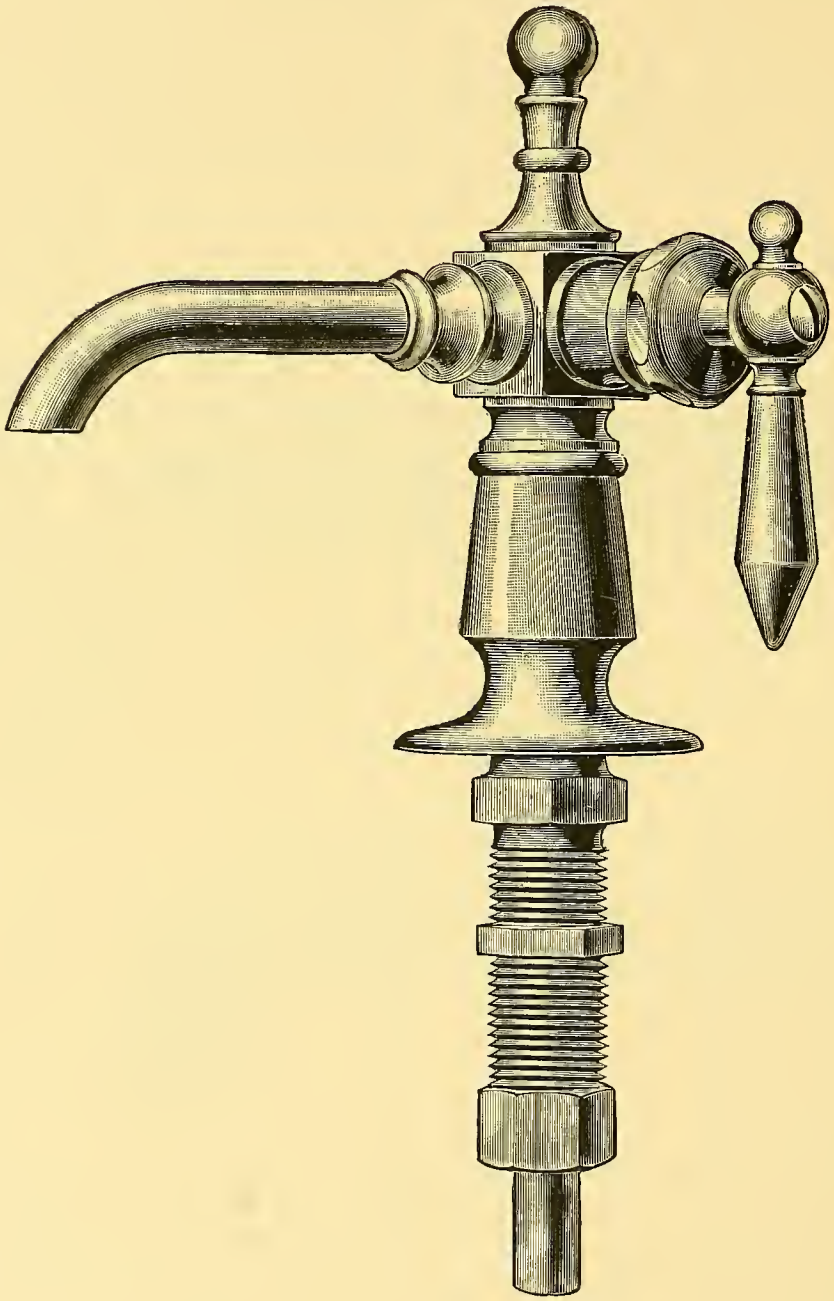
BALL STEM WITH BALL.



A–272.

Size,	½ and ⅝	¾	1 in.
Per doz., net,	$3.00 Caraway.	4.00 Carbine.	6.00 Carbon.

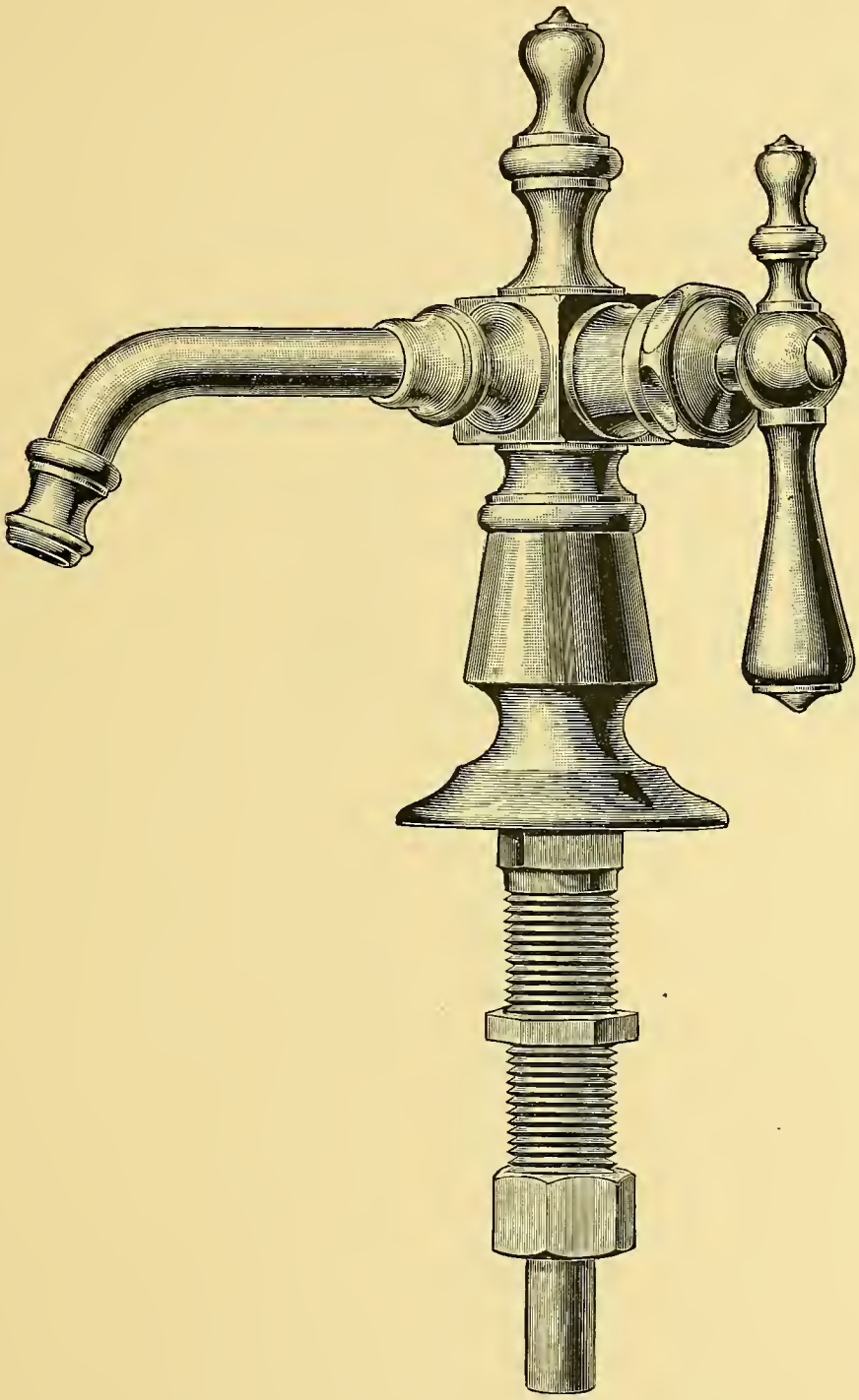
FULLER BASIN COCK, No. I.



A—273.

Nickel Plated, per doz., ... $40.00 Card.

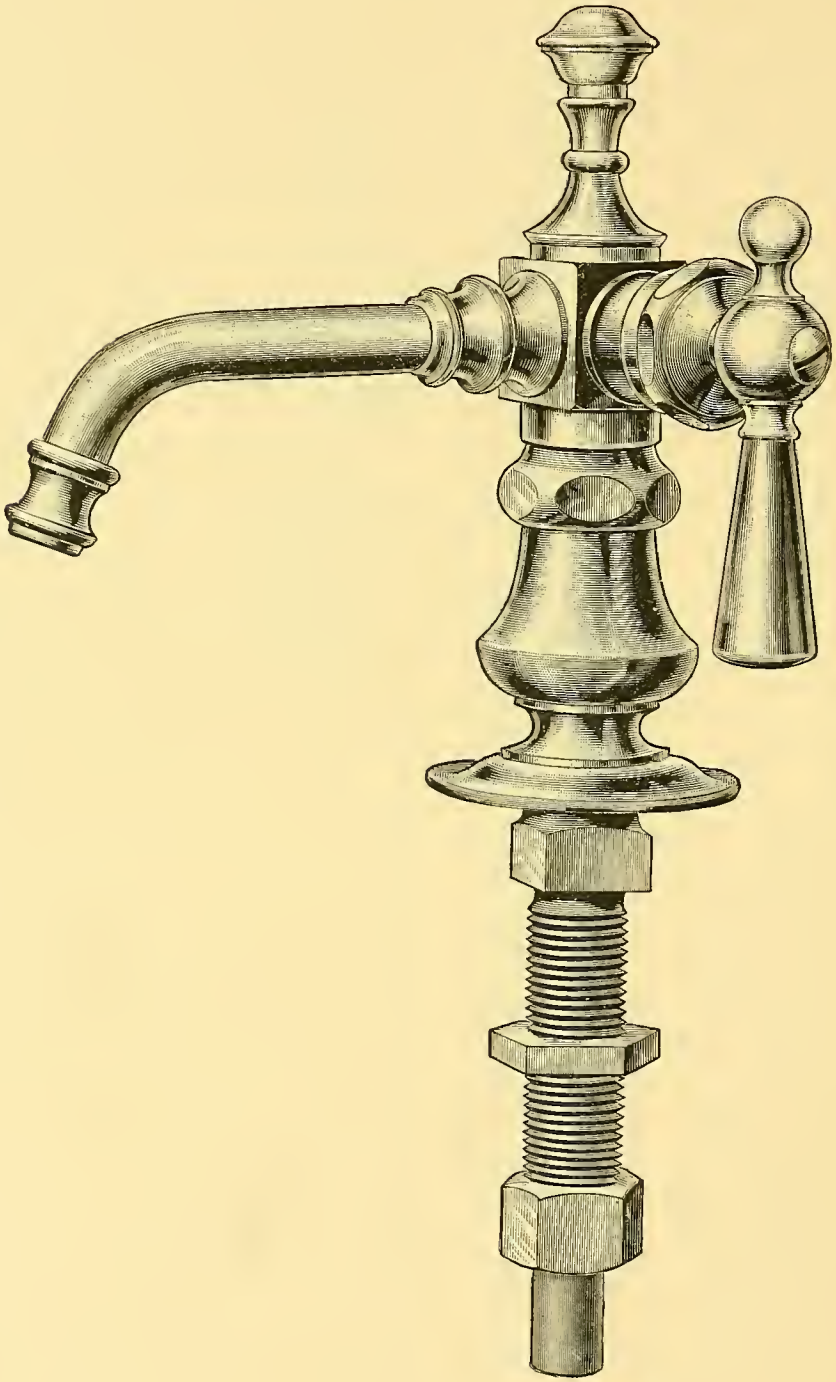
FULLER BASIN COCK, No. 2.



A—274.

Nickel Plated, per doz. . . . . $44.00 Cardinal.

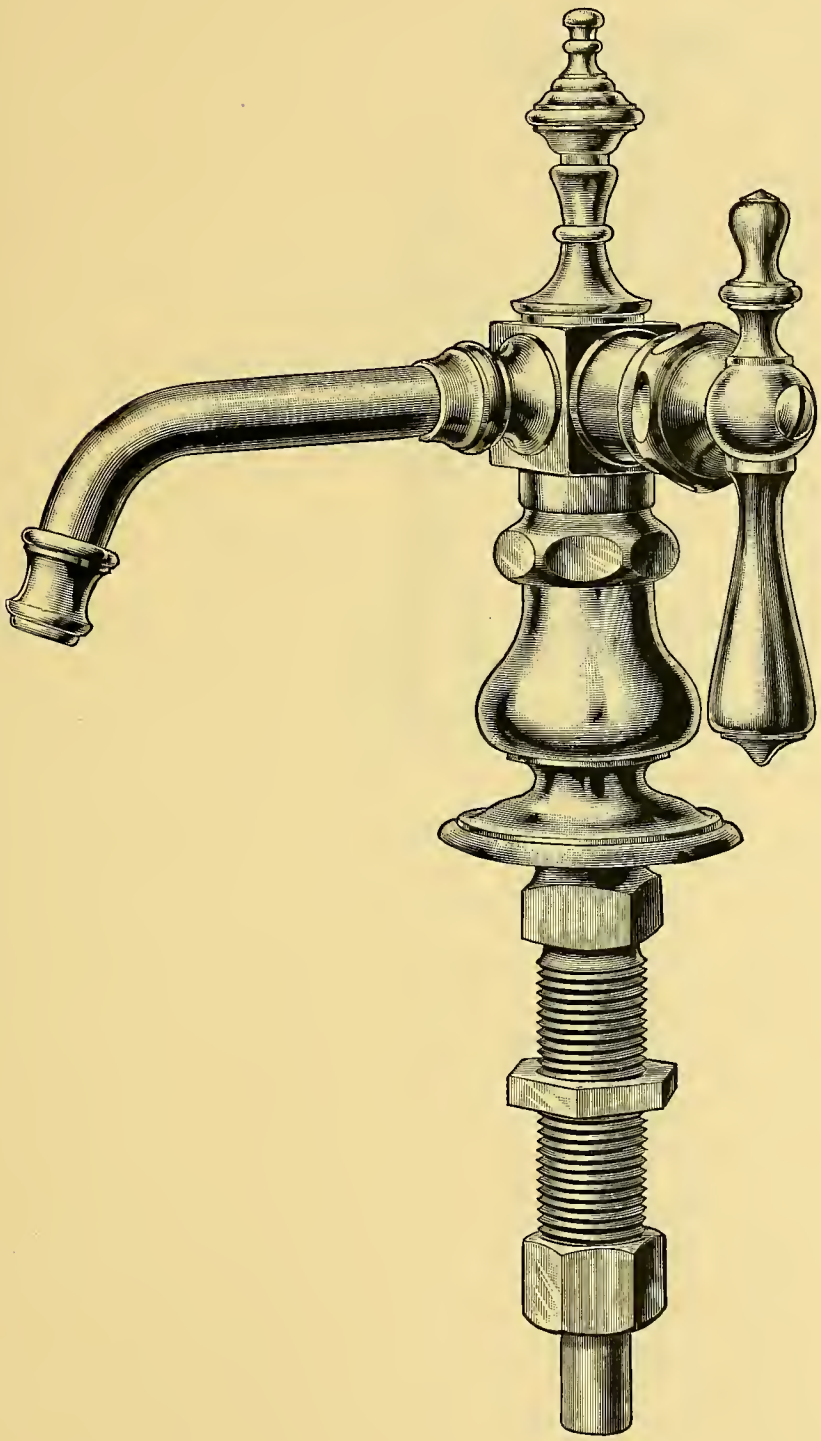
FULLER BASIN COCK, No. 3.



A—275.

Nickel Plated, per doz., ... $60.00
Cardoon.

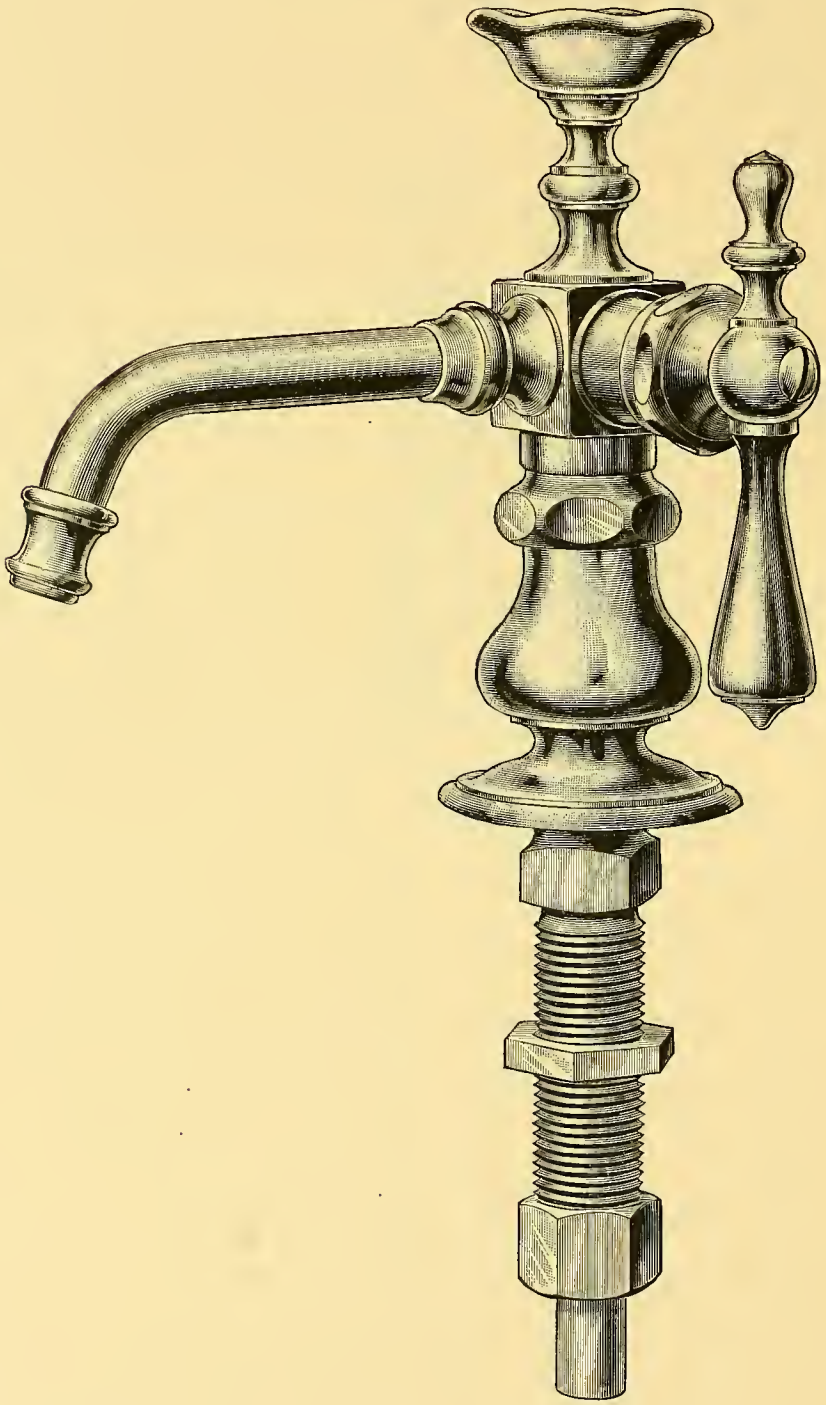
FULLER BASIN COCK, No. 4.



A—276.

Nickel Plated, per doz., ... $72.00 Cardtable.

FULLER BASIN COCK, No. 5.

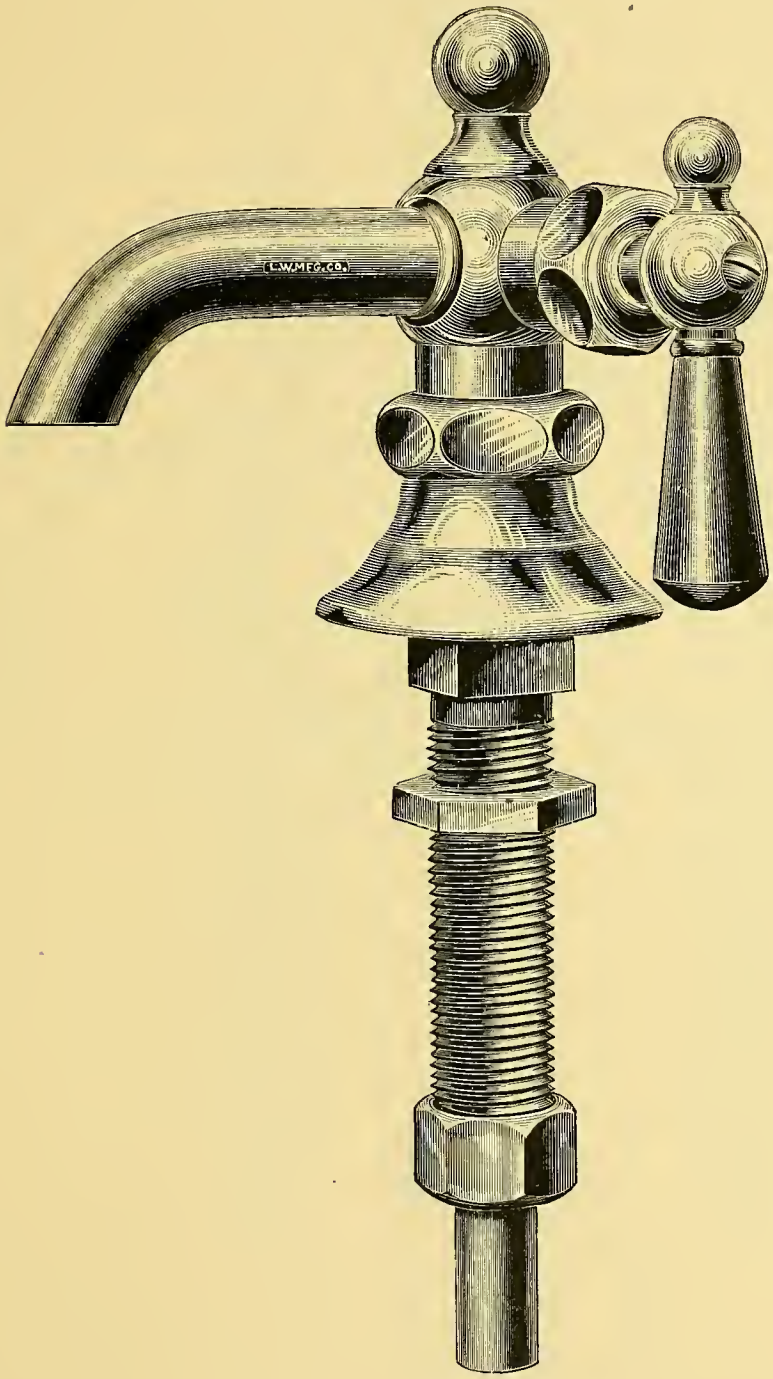


A—277.

Nickel Plated, per doz., ... $80.00
Carex.

FULLER BASIN COCK, No. 6.

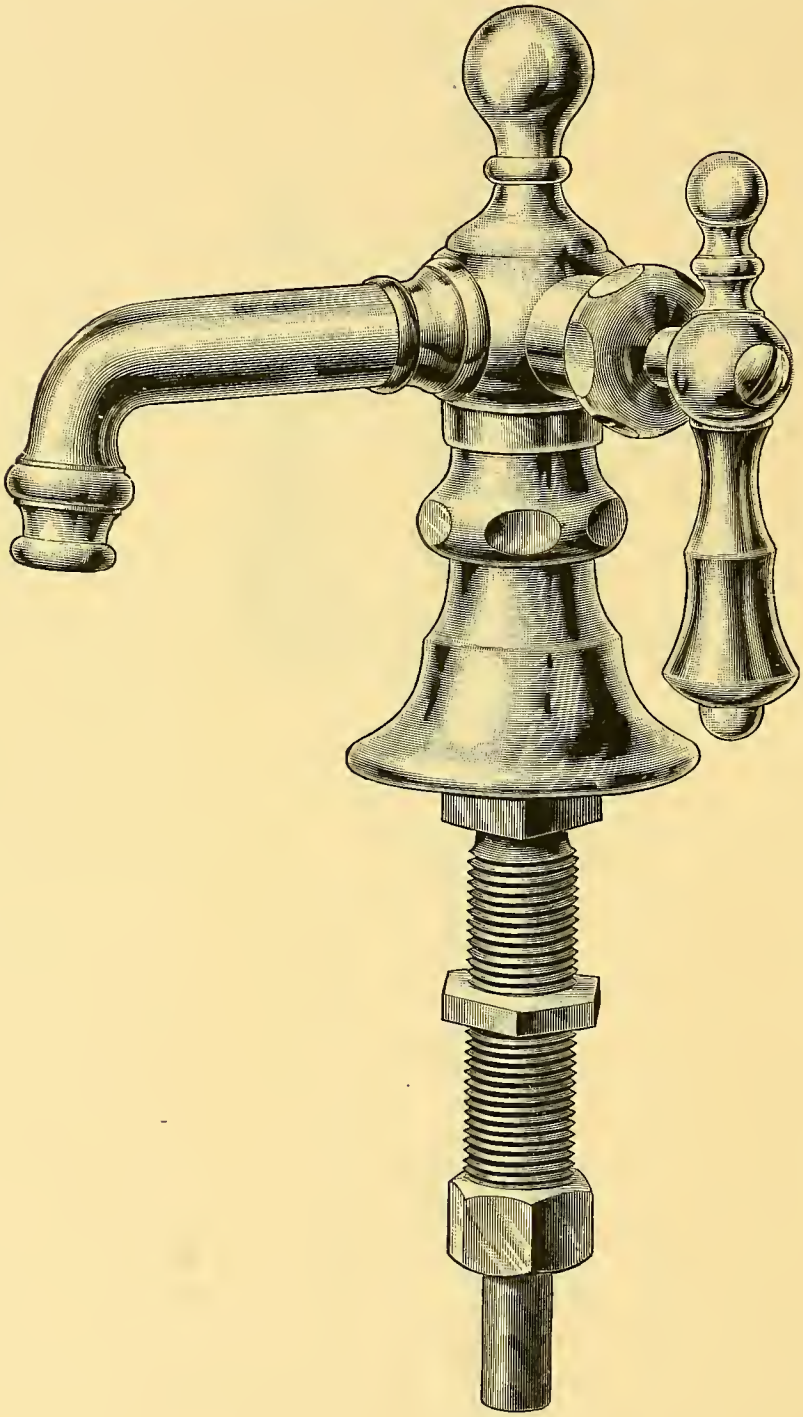
LOW-DOWN PATTERN.



A–278.

Nickel Plated, per doz., ... $72.00 Carboyest.

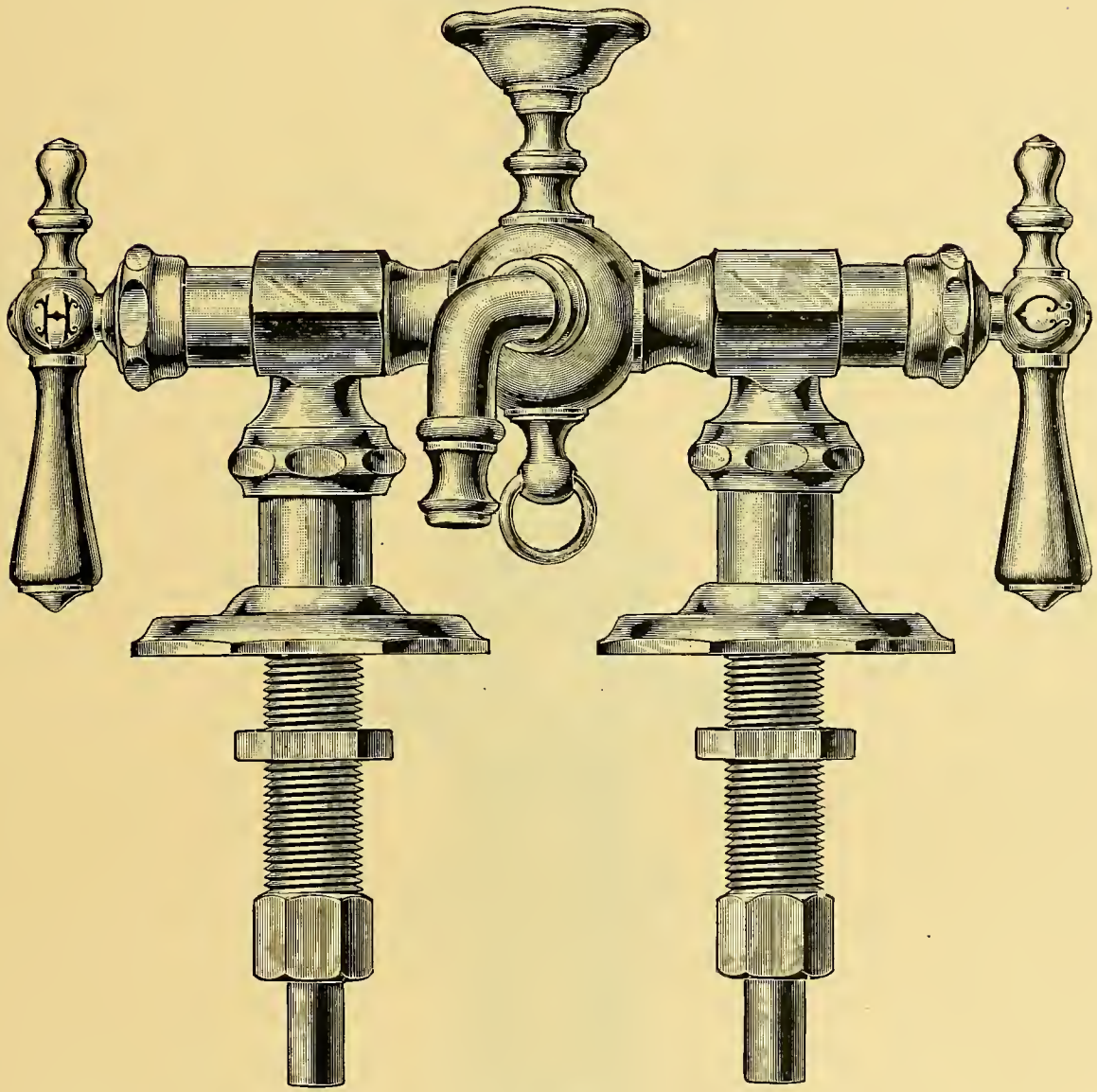
FULLER BASIN COCK, No. 10.



A—279.

Nickel Plated, per doz., ... $120.00
Carentane.

FULLER DOUBLE BASIN COCK.



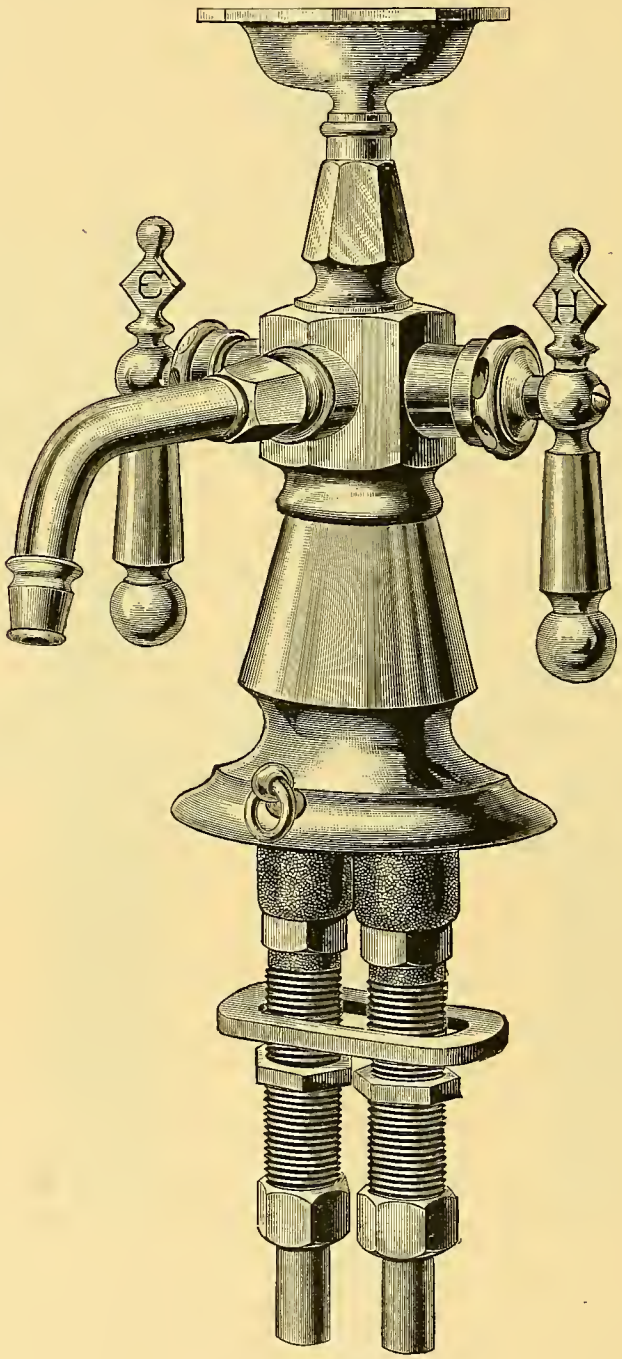
A–280.

Nickel Plated, each, ... $14.00 Carency.

If with Ebony or Ivory Handles add . . . . . $2.00 Cae.

FULLER DOUBLE BASIN COCK.

ROUND PATTERN.

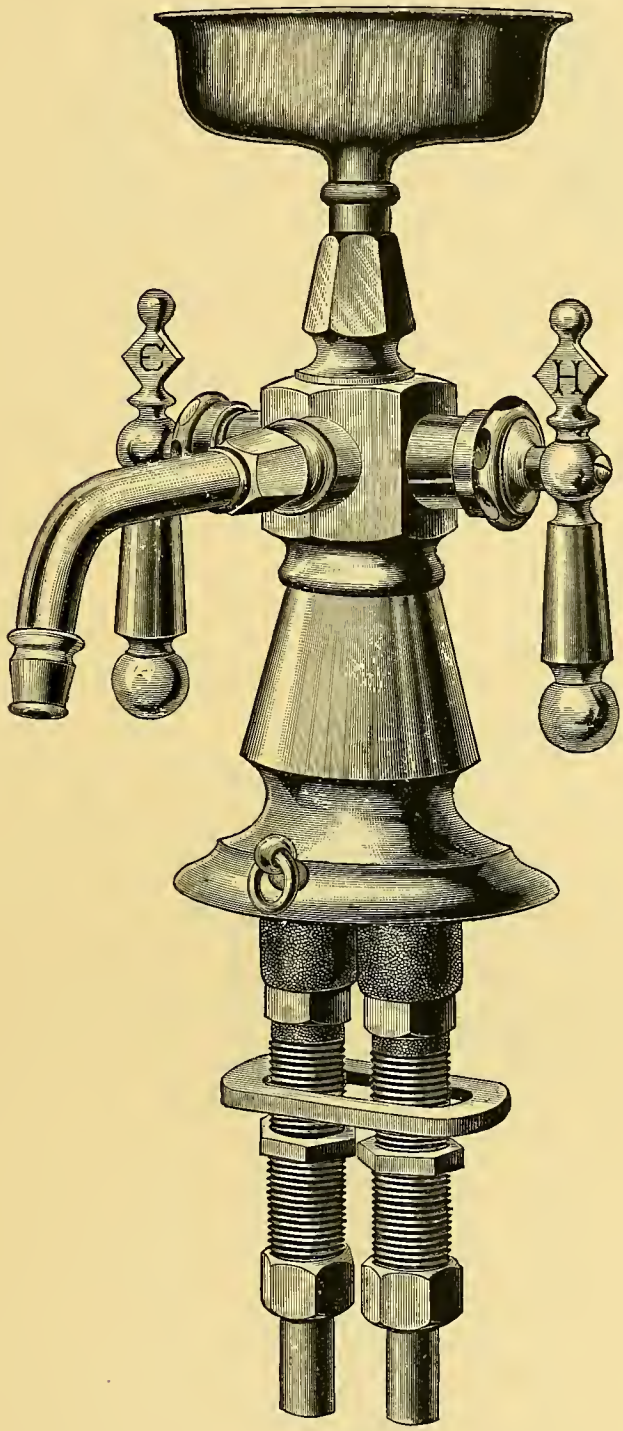


A—281.

Round Pattern, Nickel Plated, each,	$13.00 Carnival.
Oval Pattern, Nickel Plated, each,	$14.00 Carniverous.
If with Ebony or Ivory Handles add	$2.00 Carney.

FULLER DOUBLE BASIN COCK.

SOAP CUP TOP, OVAL PATTERN.

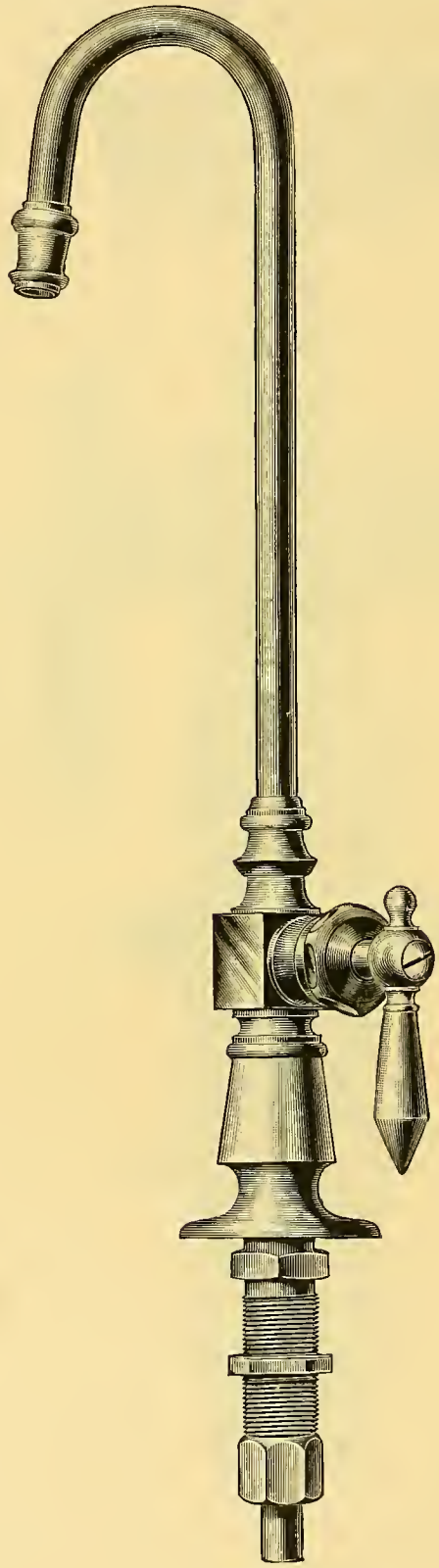


A–282.

Nickel Plated, each, ... $16.00 Carpet.

If with Ebony or Ivory Handles add . . . . . $2.00 Carper.

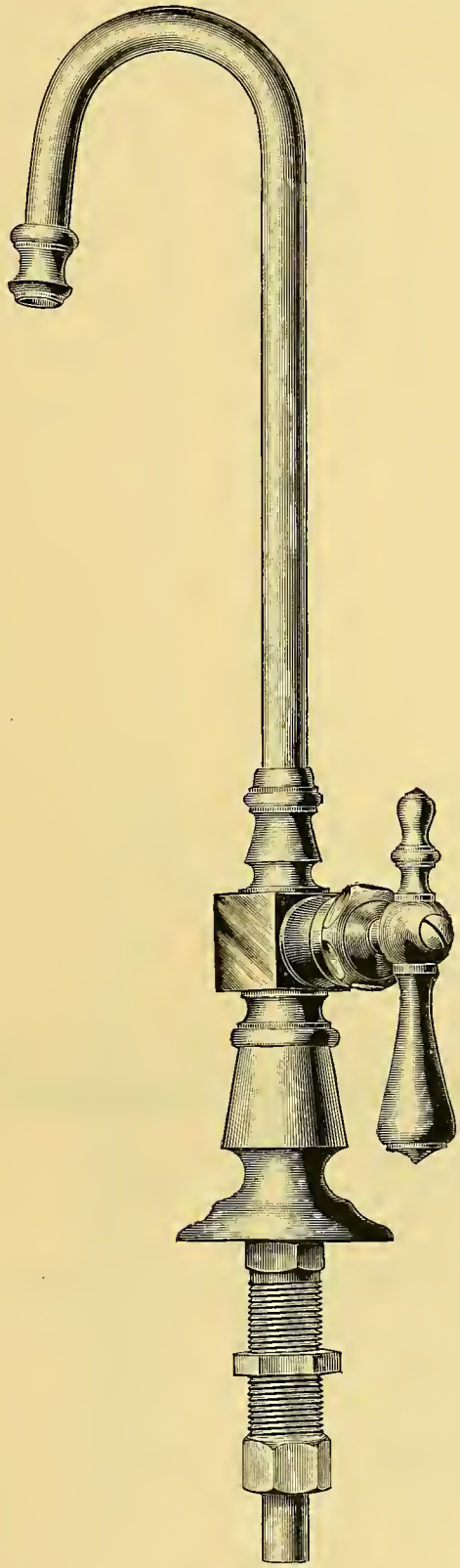
FULLER PANTRY COCK, No. 1.



A–283.

Plain, Nickel Plated, per doz.,	$42.00 Carib.
With Hose End, Nickel Plated, per doz.,	$45.00 Carrom.

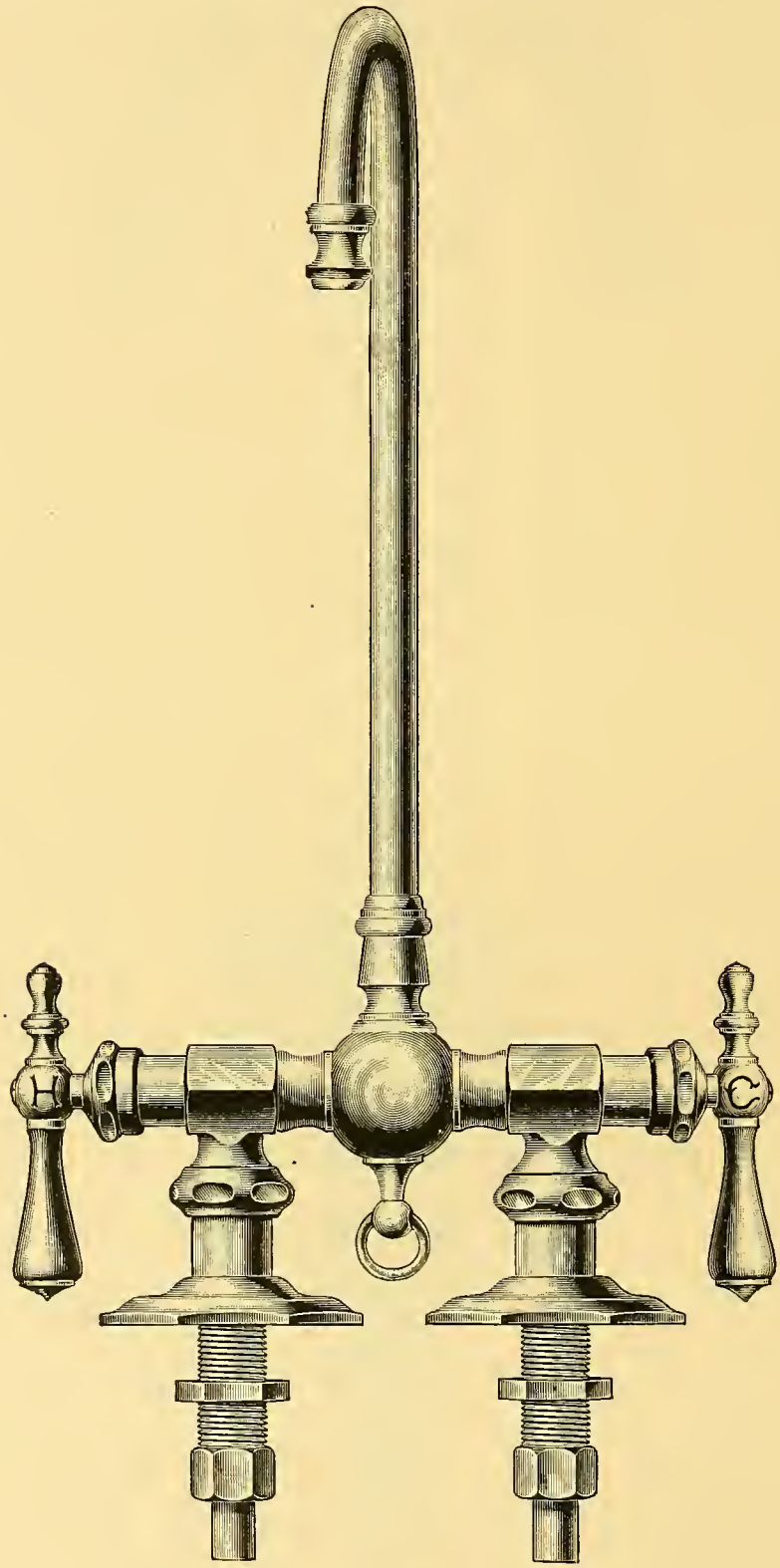
FULLER PANTRY COCK, No. 2.



A–284.

Plain, Nickel Plated, per doz.,	$50.00 Carry.
With Hose End, Nickel Plated, per doz.,	$53.00 Carrier.

FULLER DOUBLE PANTRY COCK, No. 12.



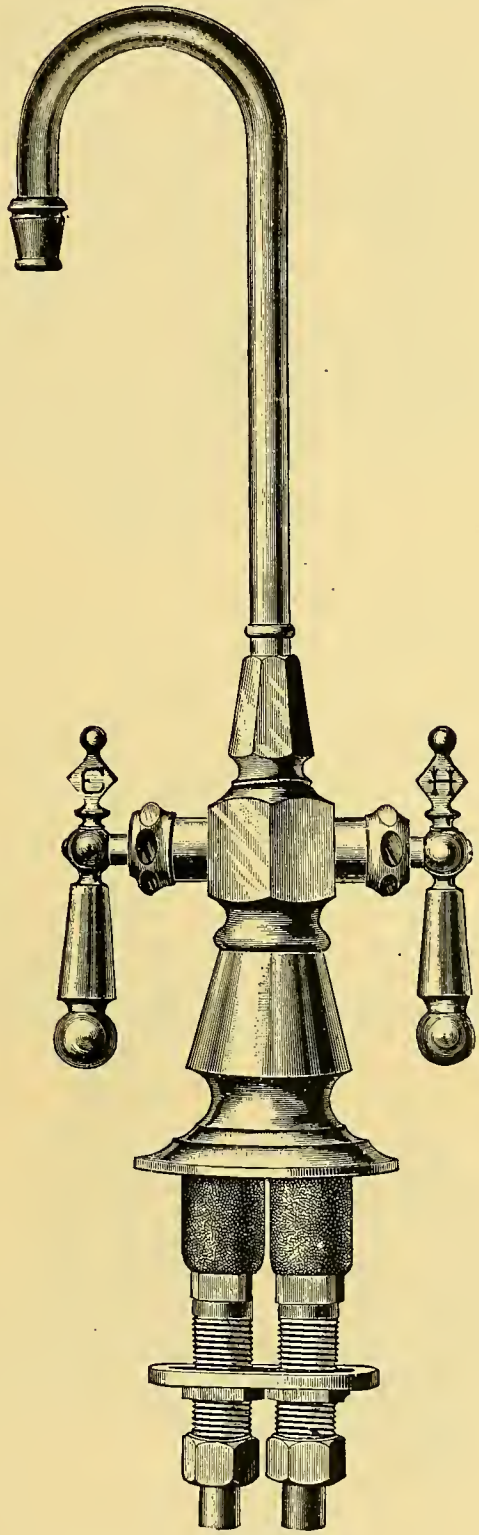
A—285.

Nickel Plated, each, ... $15.00 Carboy.

If with Ebony or Ivory Handles add . . . . . $2.00 Carbon.

FULLER DOUBLE PANTRY COCK, No. 13.

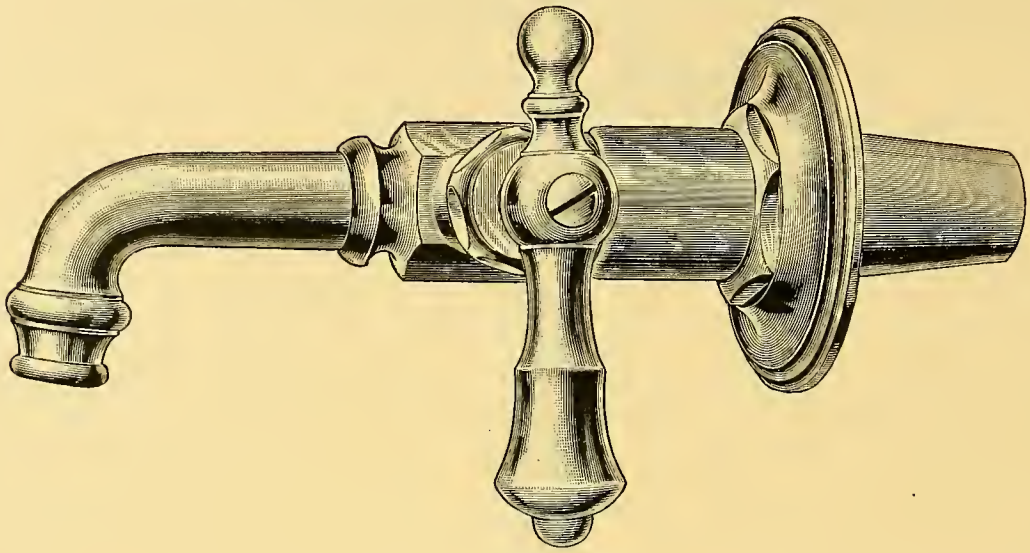
ROUND PATTERN.



A—286.

Round Pattern, Nickel Plated, each,	$13.00 Cartridge.
Oval Pattern, Nickel Plated, each,	$14.00 Cascade.
If with Ebony or Ivory Handles add	$2.00 Cashoo.

FULLER BRACKET BASIN COCKS.

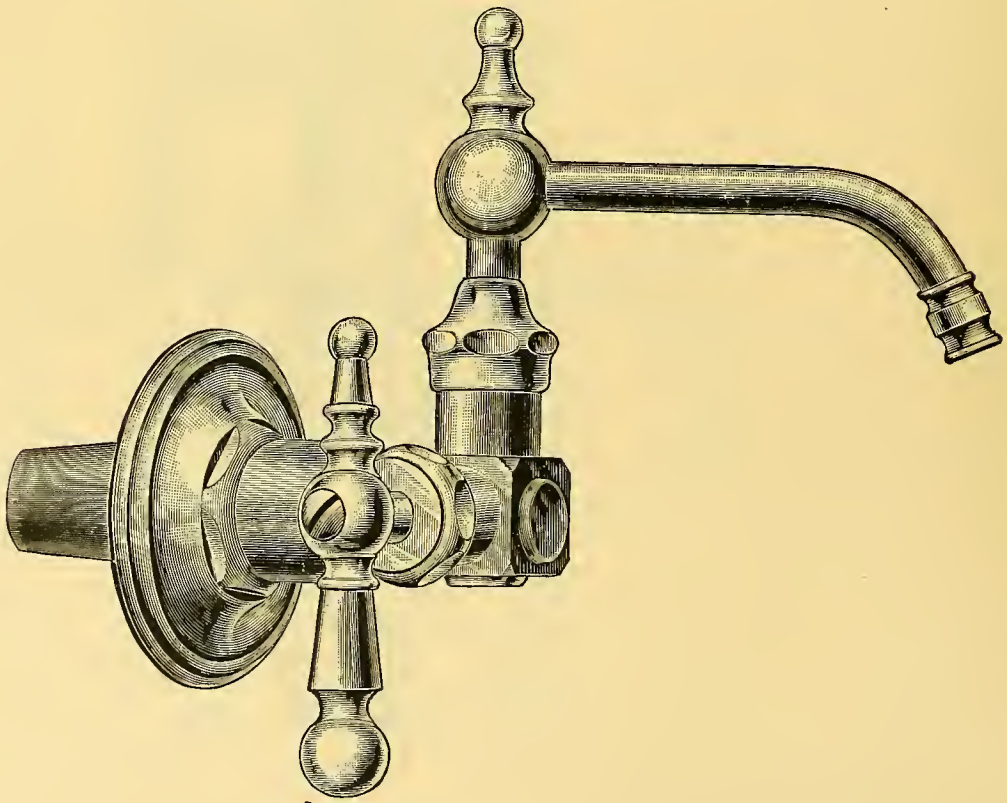


A—287.

Nickel Plated, per doz.,		$36.00 Caseic.
If Thimble is screwed for Iron Pipe add	$4.00 Caseum.	
If with Ebony or Ivory Handles add	$12.00 Cashew.	

FULLER BRACKET BASIN COCKS.

WITH SWINGING TUBE.

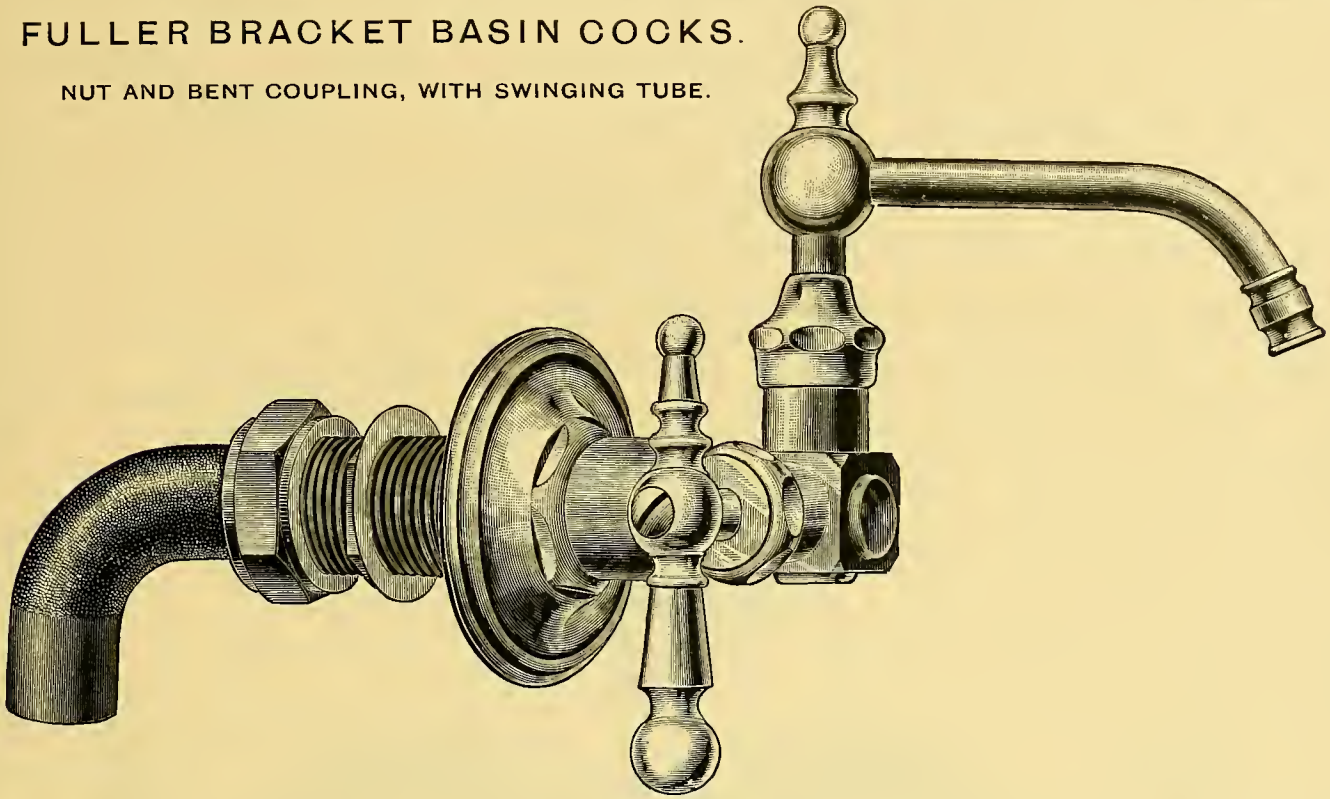


A—288.

Nickel Plated, per doz.,		$48.00 Casemate.
If with Ebony or Ivory Handles add	$12.00 Caseine.	

FULLER BRACKET BASIN COCKS.

NUT AND BENT COUPLING, WITH SWINGING TUBE.



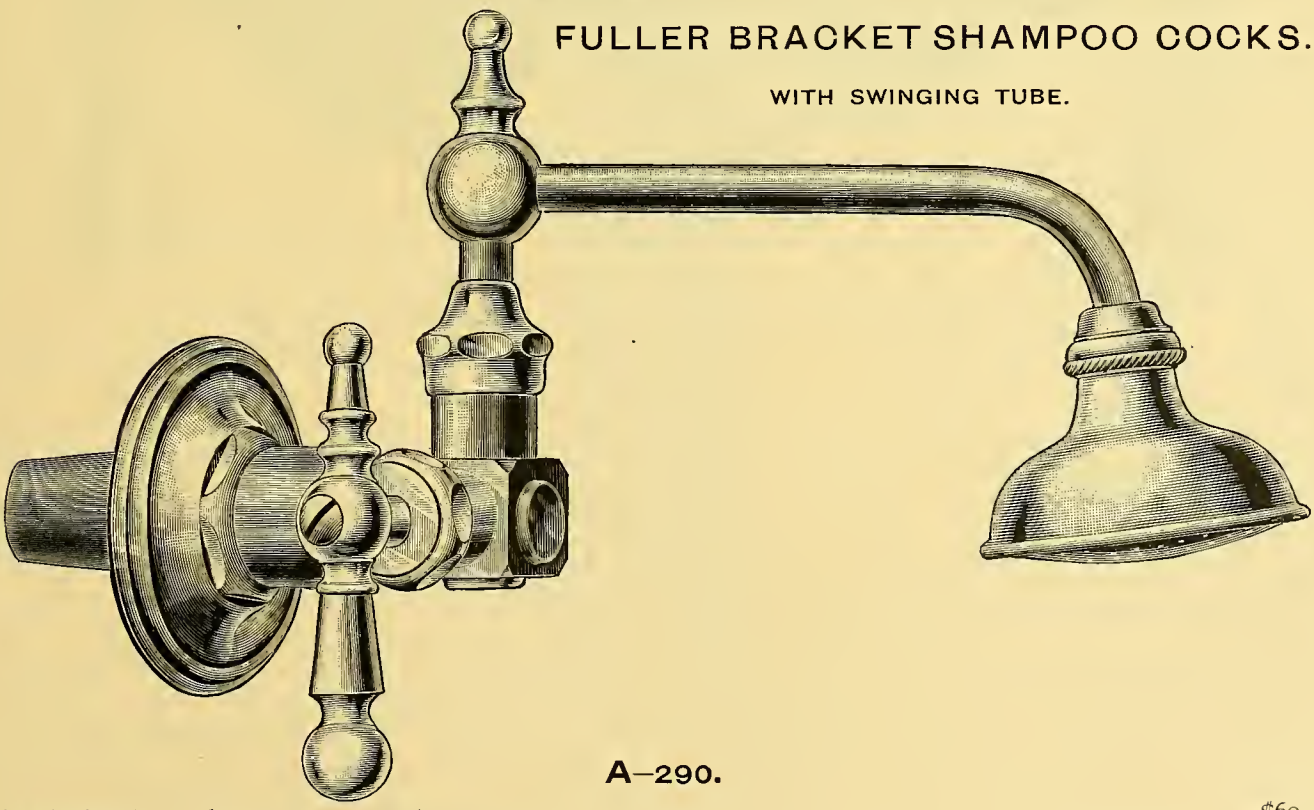
A—289.

Nickel Plated, per doz., ... $60.00 Cask.

If with Ebony or Ivory Handles add . . . . $12.00 Casque.

FULLER BRACKET SHAMPOO COCKS.

WITH SWINGING TUBE.



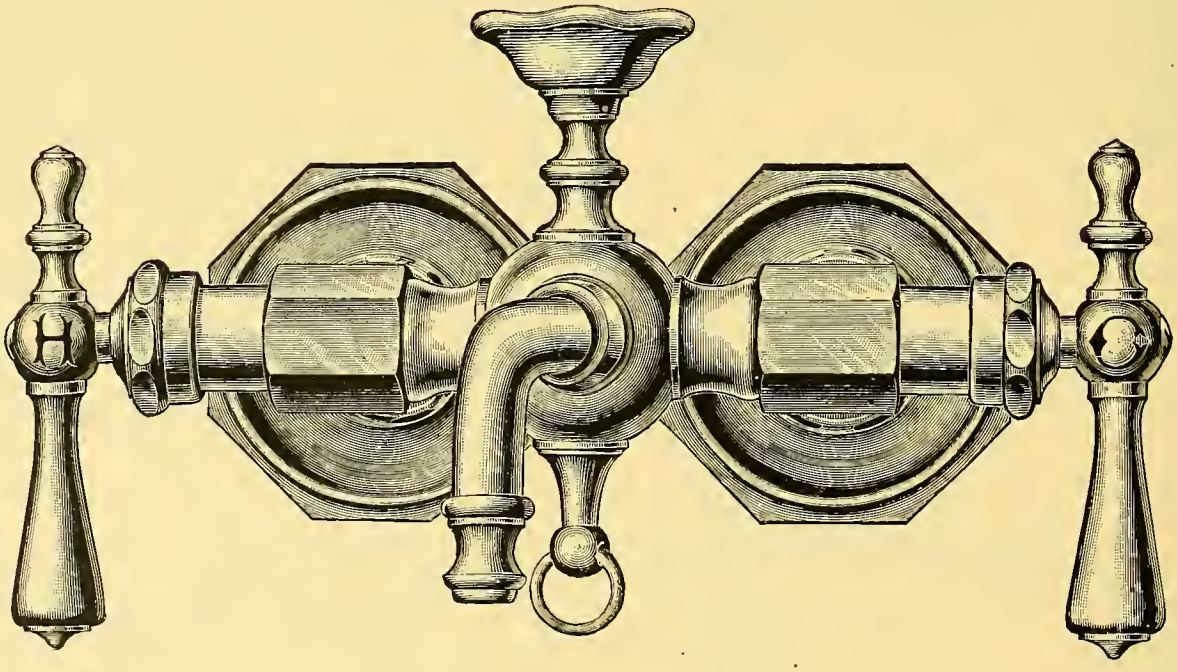
A—290.

Nickel Plated, per doz., ... $60.00 Casern.

If with Ebony or Ivory Handles add . . . . . $12.00 Cass.

FULLER DOUBLE BRACKET BASIN COCK.

WITH JEWEL CUP.



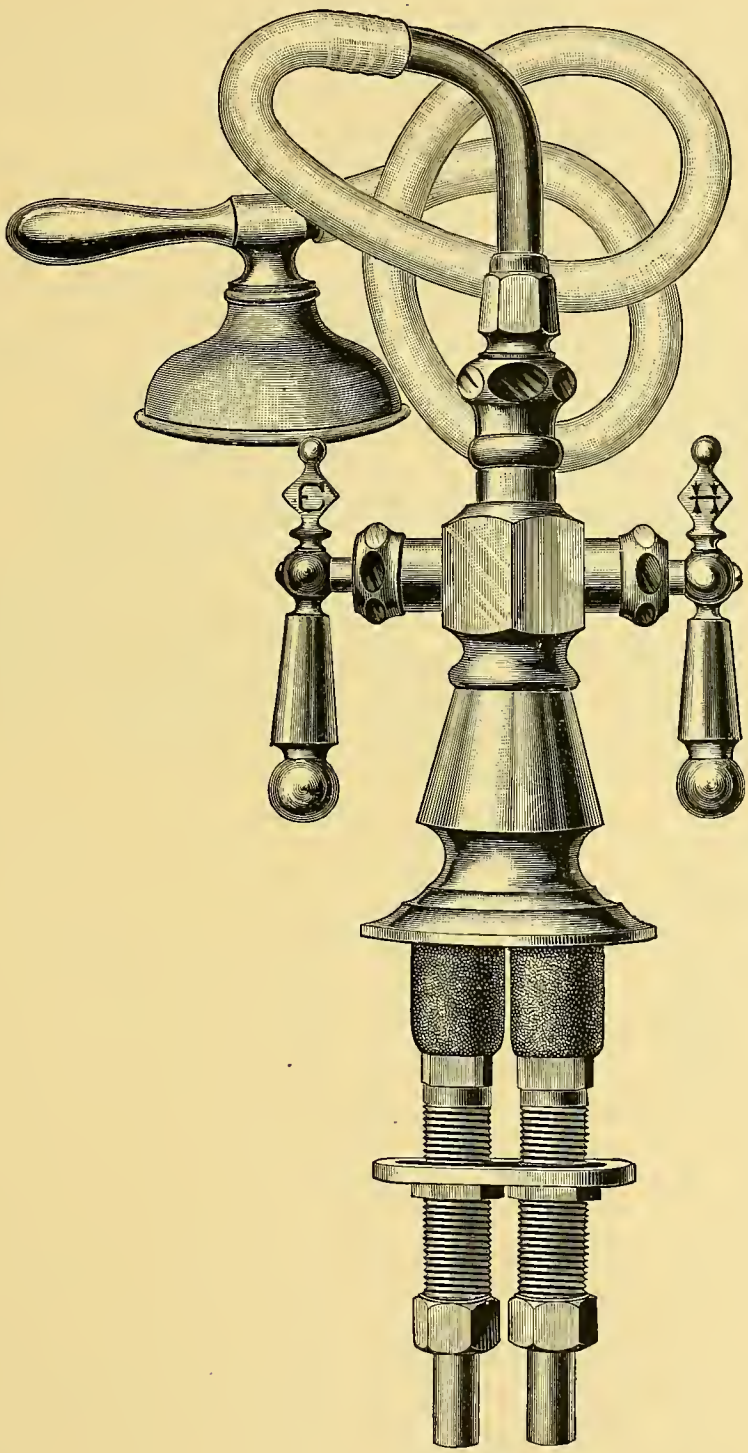
A–291.

Nickel Plated, each, ... $12.00 Casino.

If with Ebony or Ivory Handles add . . . . . $2.00 Cassada.

FULLER DOUBLE SHAMPOO COCK, No. 1.

WITH SWINGING TUBE.



A–292.

Nickel Plated, with Hose and Sprinkler, each, ... $14.00 Cashbook.

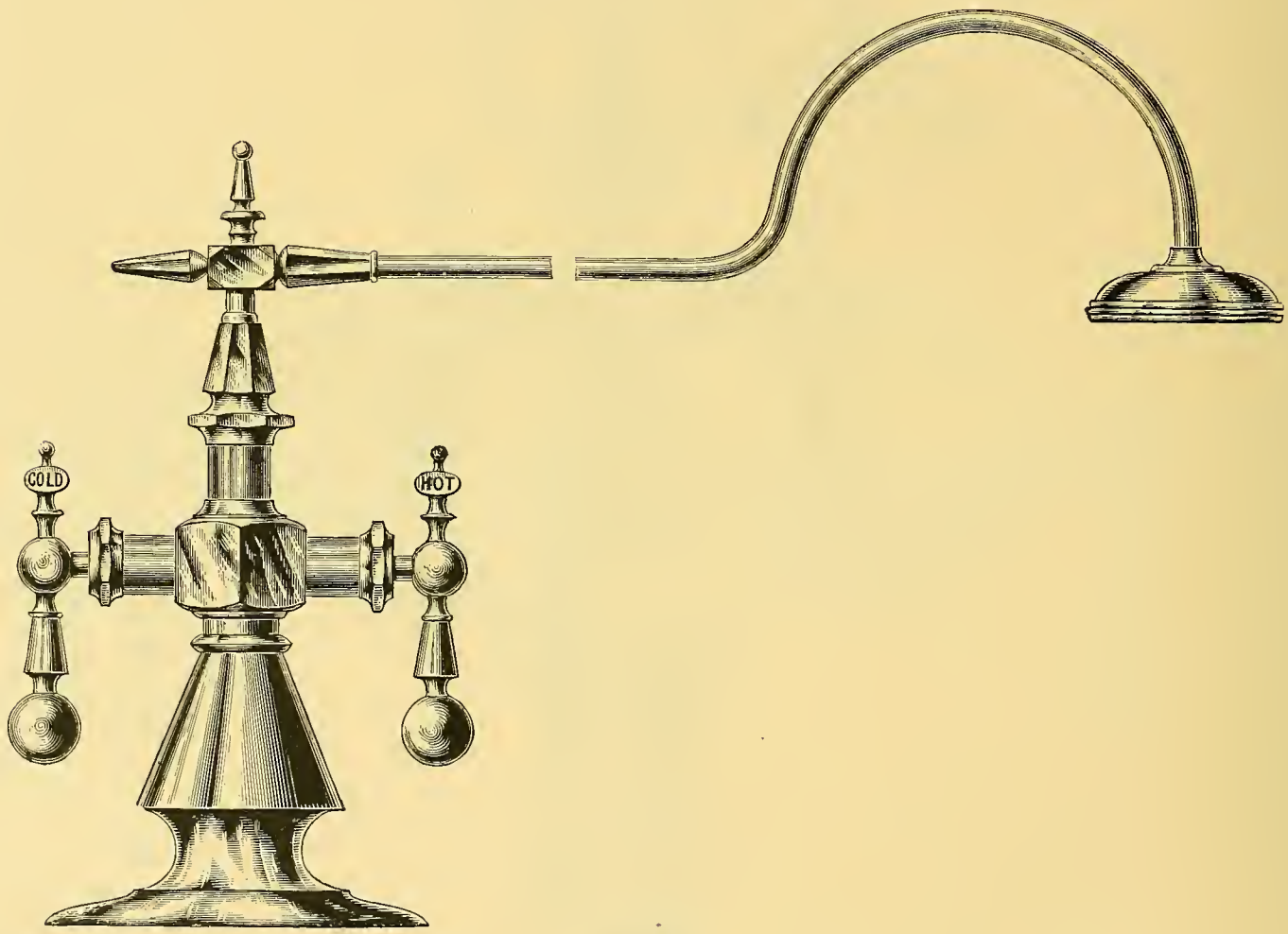
LARGE PATTERN.

Nickel Plated, with Hose and Sprinkler, each, ... $16.00 Cashier.

If with Ebony or Ivory Handles add . . . . . $2.00 Cashac.

FULLER DOUBLE SHAMPOO COCK, No. 2.

WITH LONG SWINGING TUBE.



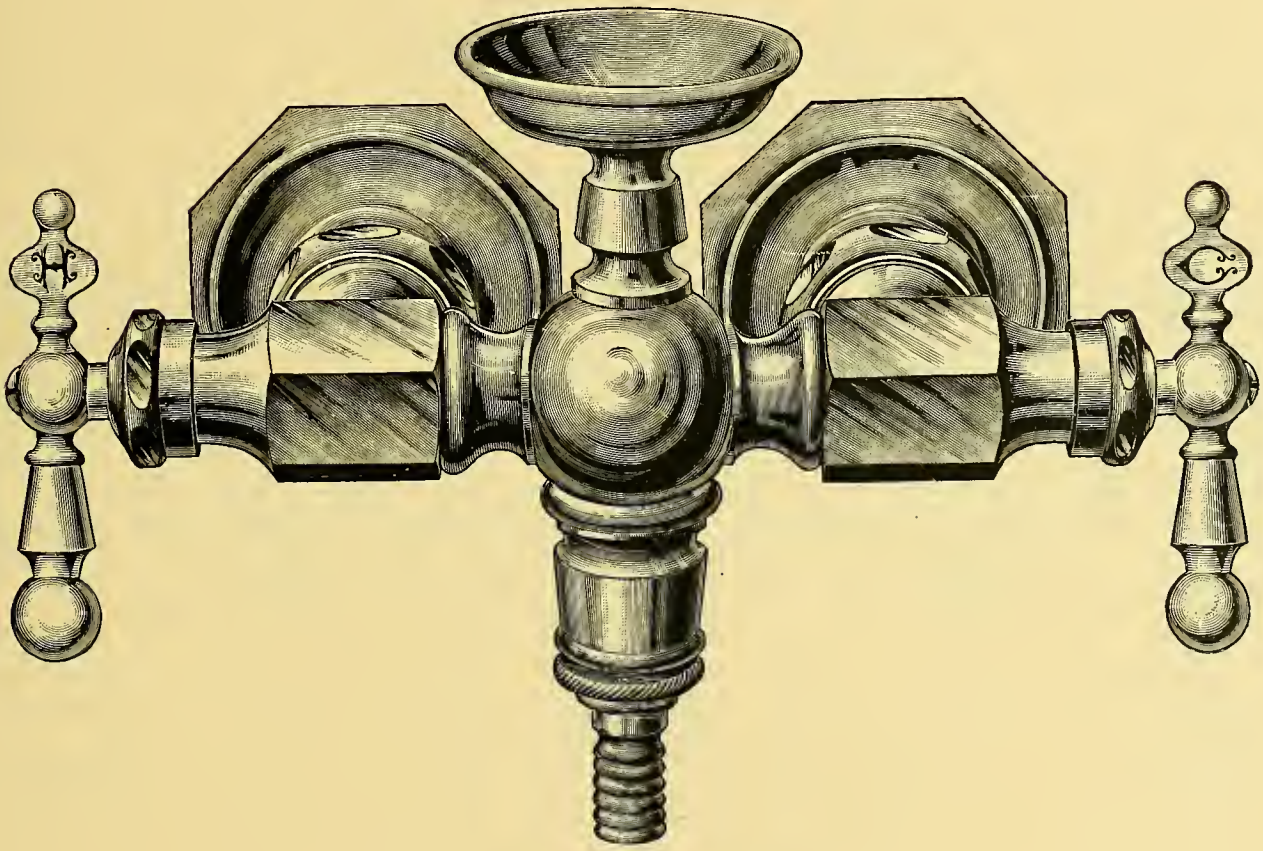
A–293.

Nickel Plated, each, ... $22.00 Cassava.

If with Ebony or Ivory Handles add . . . . . $2.00 Cassia.

FULLER COMBINATION BATH COCK, No. 1.

WITH COUPLING AND SPRINKLER.



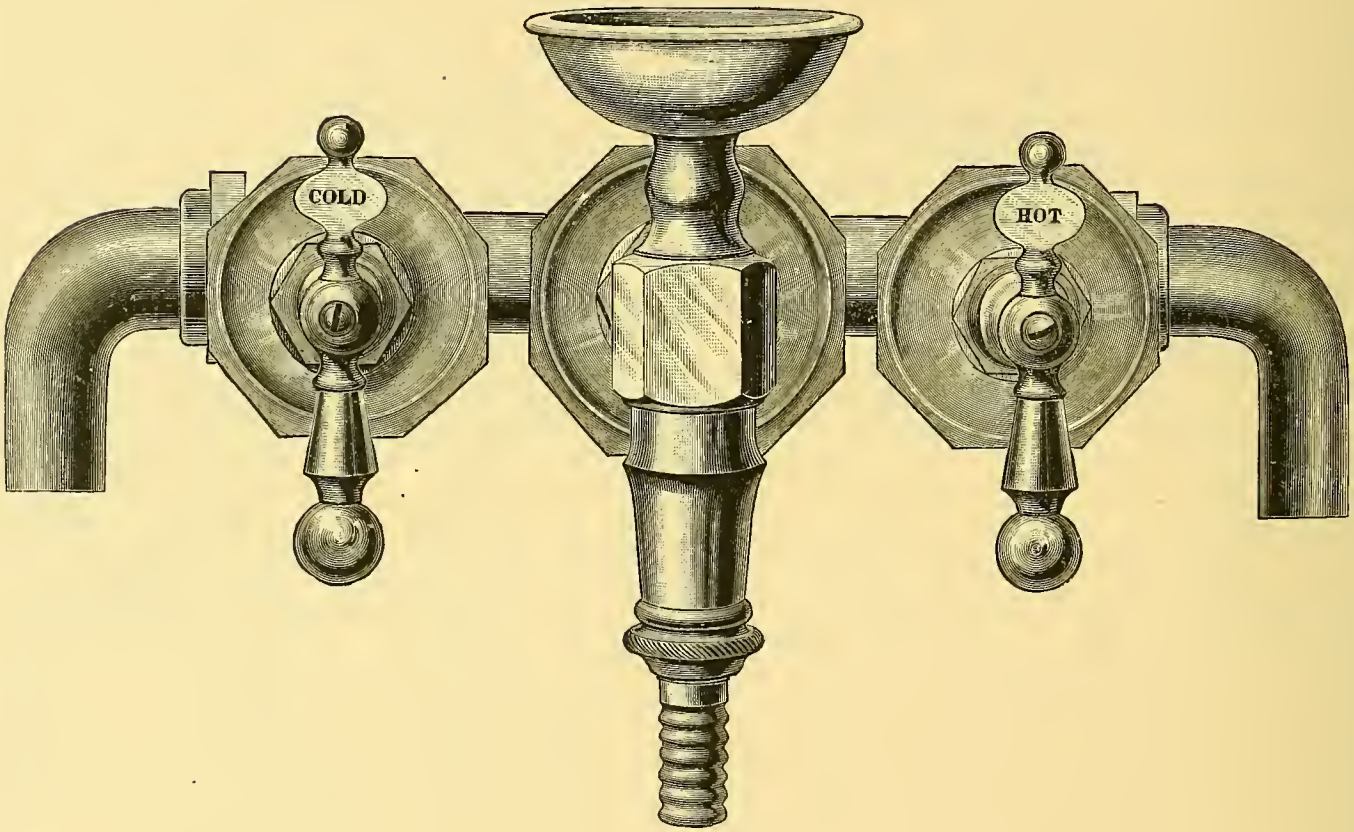
A–294.

Nickel Plated, each, ... $12.00 Cassonade.

If with Ebony or Ivory Handles add . . . . . $2.00 Cassideous.

FULLER COMBINATION BATH COCK, No. 1½.

WITH COUPLING AND SPRINKLER.



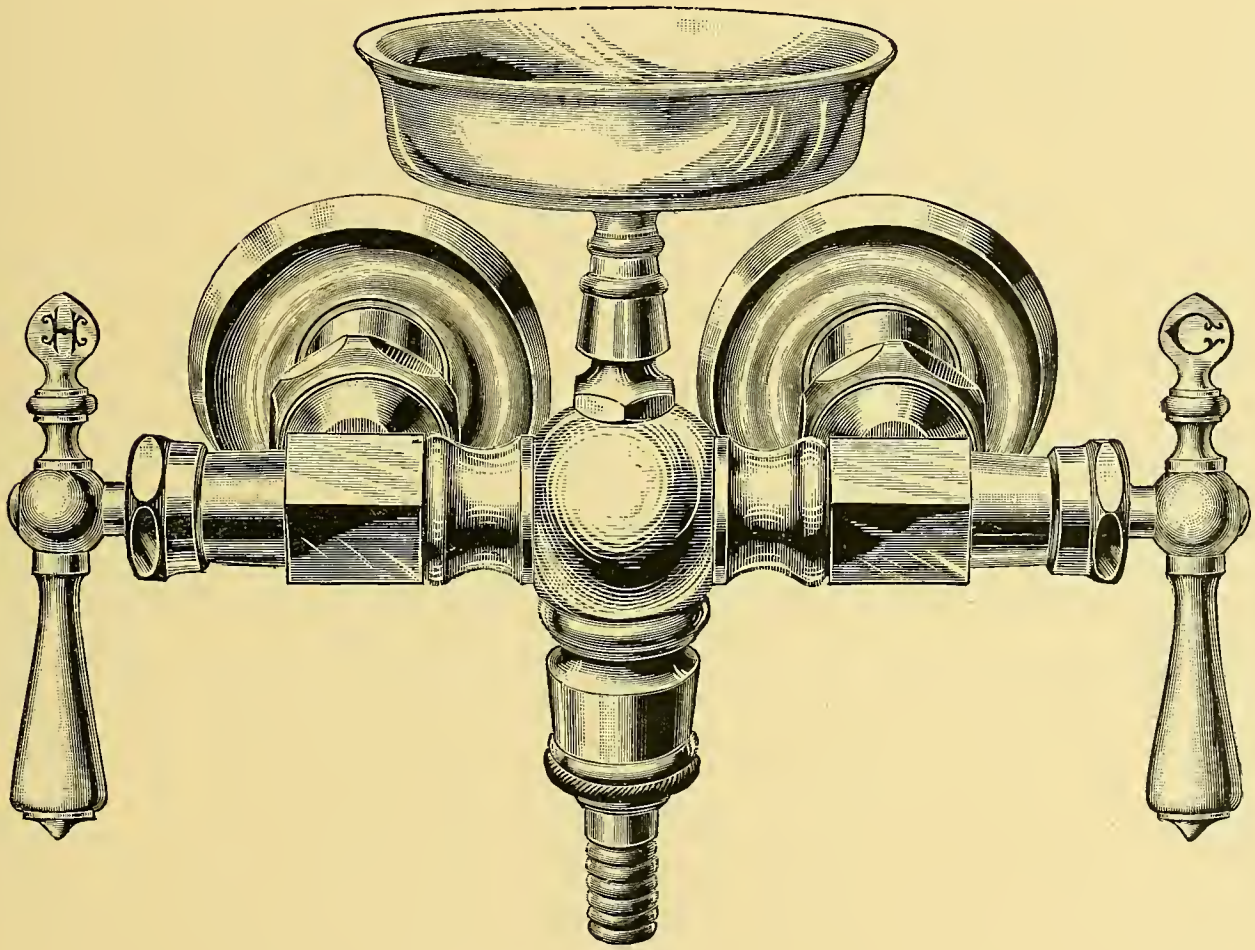
A—295.

Nickel Plated, each, ... $12.00 Castanea.

If with Ebony or Ivory Handles add . . . . . $2.00 Castiron.

FULLER COMBINATION BATH COCK, No. 2.

WITH COUPLING AND SPRINKLER.

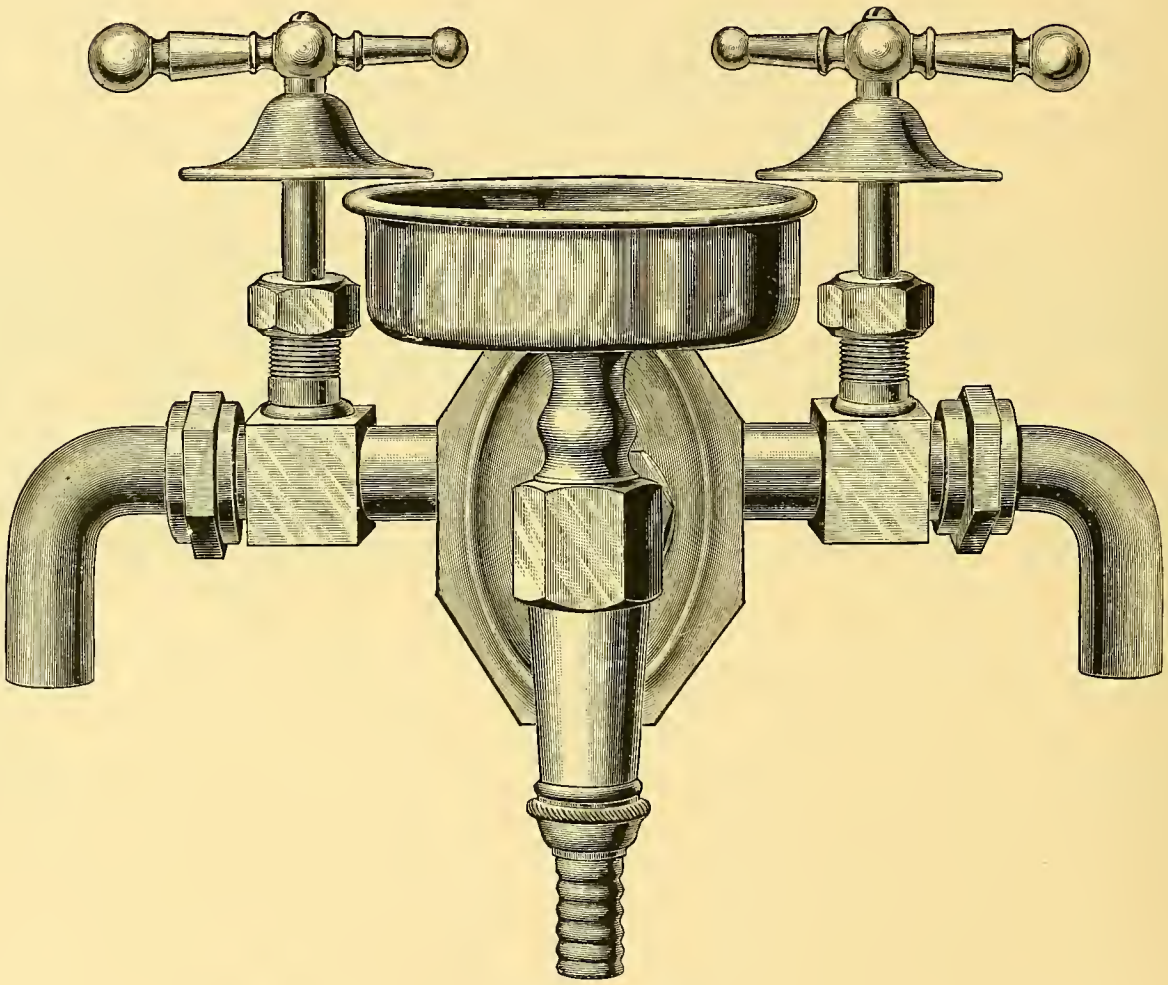


A—296.

Nickel Plated, each, ...	$14.00 Castellan.
If with Ebony or Ivory Handles add	$2.00 Castlery.

FULLER COMBINATION BATH COCK, No. 2½.

WITH HANDLES ON TOP, COUPLING AND SPRINKLER.



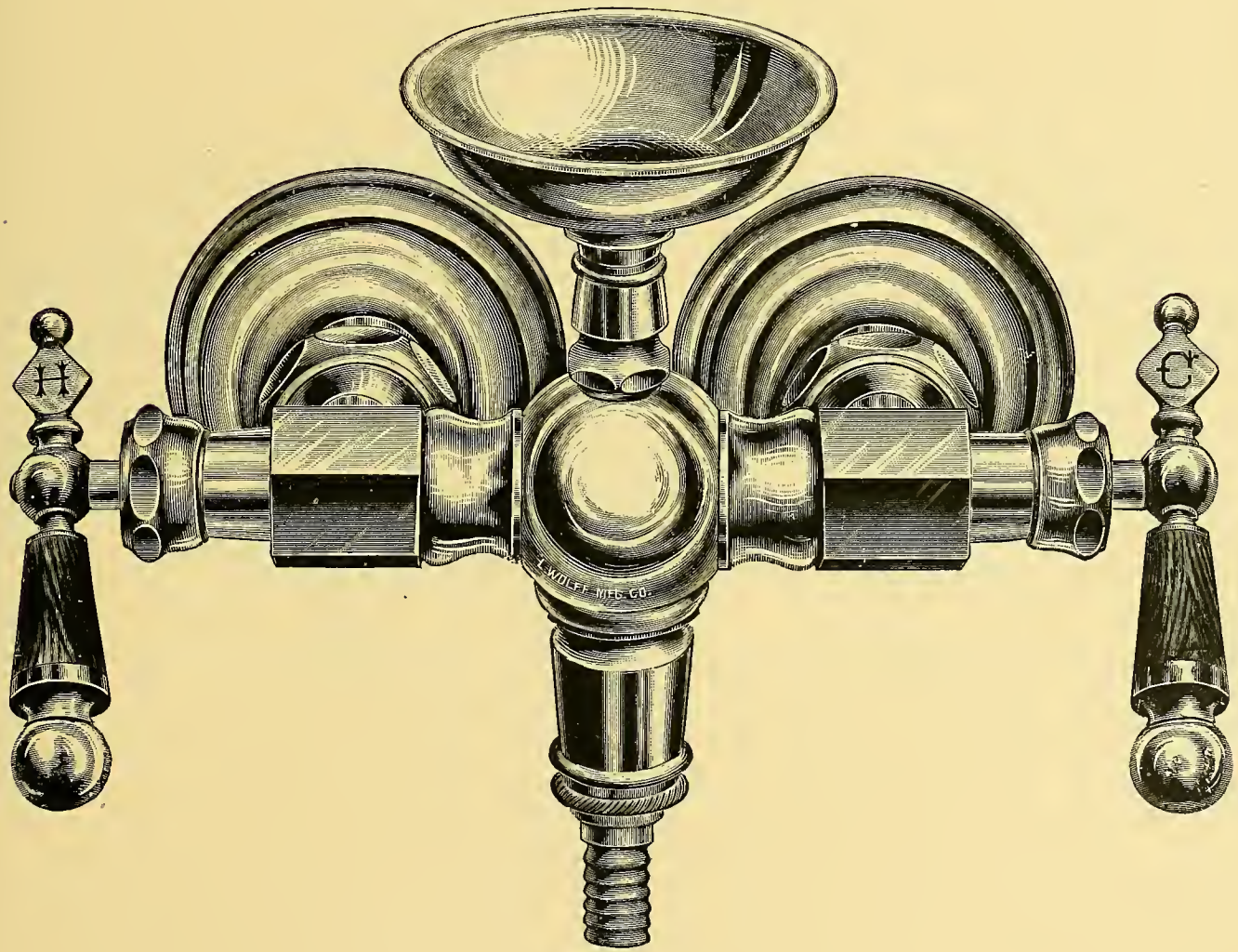
A–297.

Nickel Plated, each, ... $14.00 Castigate.

If with Ebony or Ivory Handles add . . . . . $2.00 Castoreum.

FULLER COMBINATION BATH COCK, No. 3.

WITH COUPLING AND SPRINKLER.

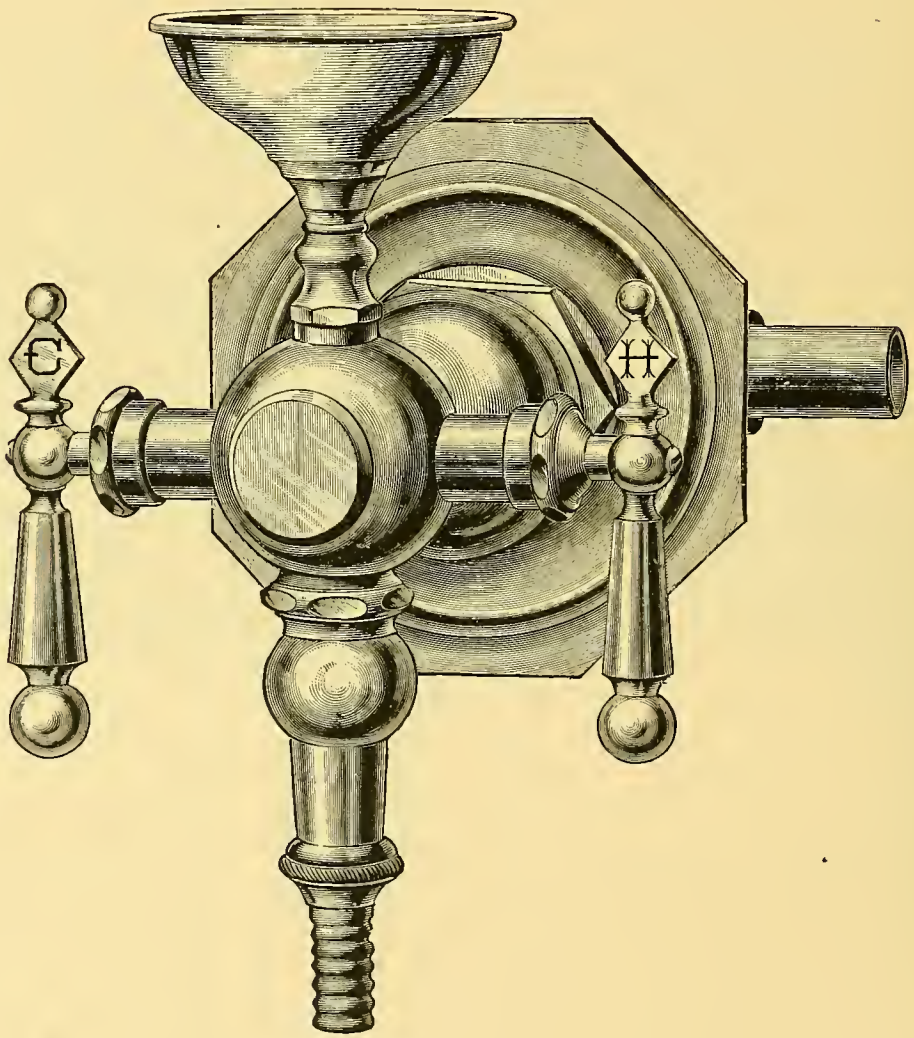


A–298.

Nickel Plated, each, ... $15.00
Castrell.

FULLER COMBINATION BATH COCK, No. 3 ½.

WITH COUPLING AND SPRINKLER.



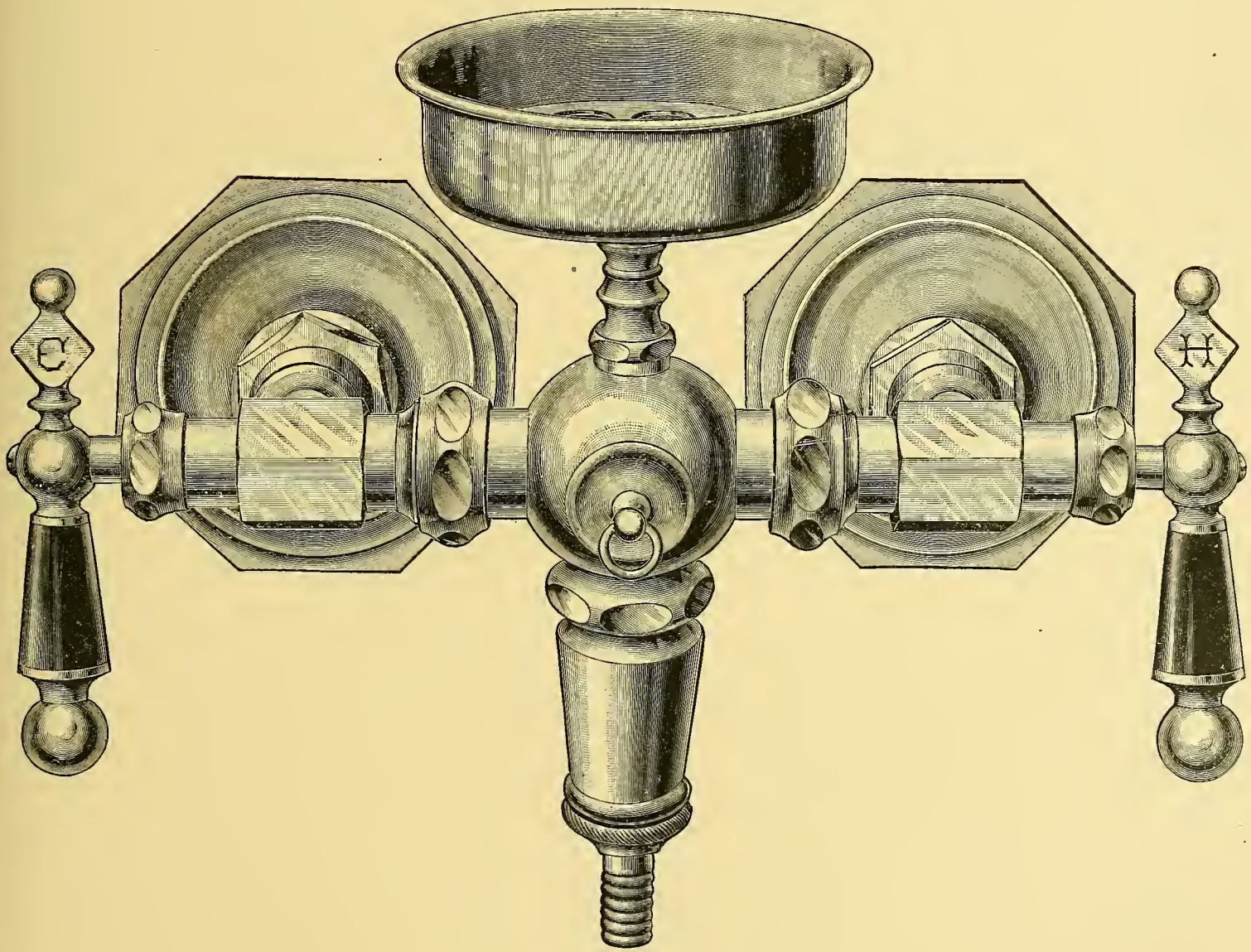
A–299.

Nickel Plated, each, ... $15.00 Castle.

If with Ebony or Ivory Handles add . . . . . $2.00 Casteel.

FULLER COMBINATION BATH COCK, No. 4.

WITH COUPLING AND SPRINKLER.

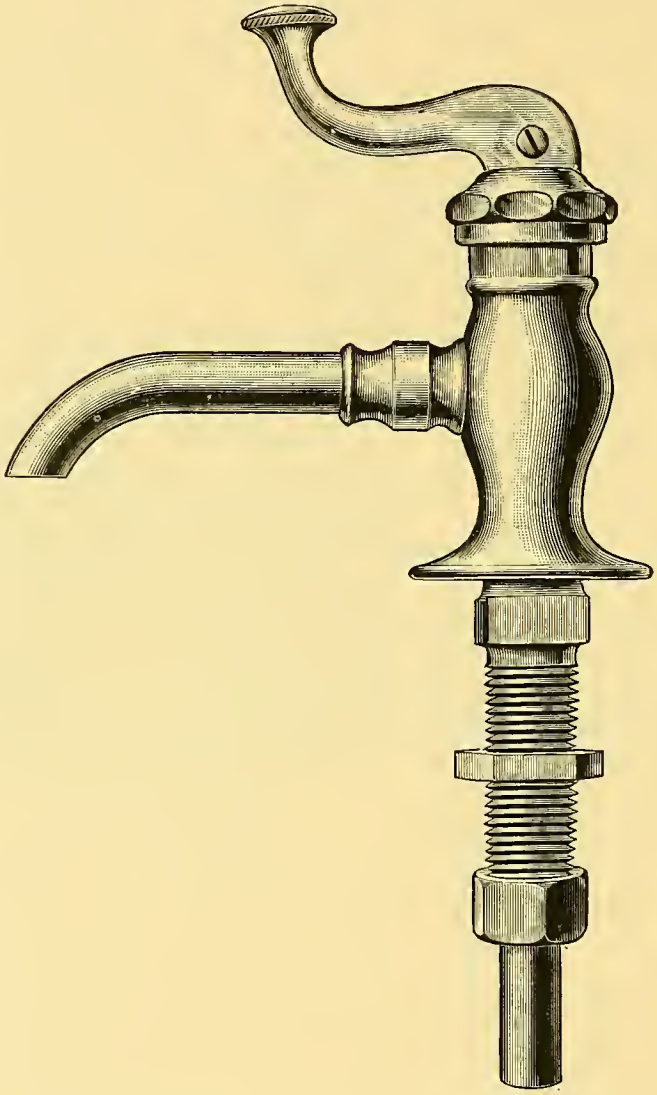


A–300.

Nickel Plated, each, ... $21 00
Casuist.

SELF-CLOSING BASIN COCKS.

TELEGRAPH HANDLE.



A—301.

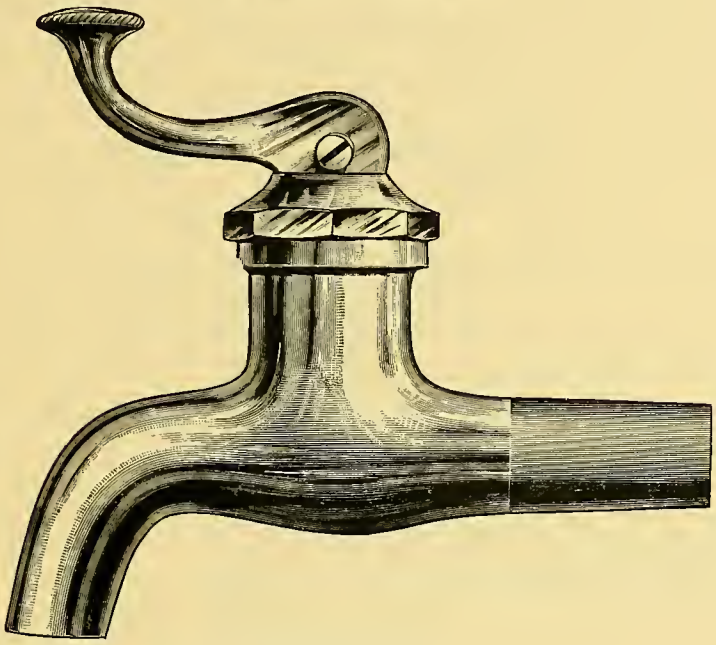
Finished, per doz.,	$24.00 Cataclysm
Nickel Plated, per doz.,	$27.00 Catacomb

LARGE PATTERN.

Finished, per doz.,	$30.00 Catafalque
Nickel Plated, per doz.,	$34.00 Catagraph.
Add for large Tubes, per doz.,	$2.00 Catalpa.

SELF-CLOSING PLAIN BIBBS.

TELEGRAPH HANDLE.



A—302.

Size,	3/8	1/2	5/8	3/4 in.
Finished, per doz.,	$15.00 Catalysis.	17.00 Catalytic.	20.00 Catamite.	26.00 Catapasm.
Nickel Plated, per doz.,	$17.00 Catapuce.	19.50 Catapult.	22.50 Cataract.	28.50 Catarrh.

FOR IRON PIPE, WITHOUT SHOULDER.

NOT ILLUSTRATED.

A—303.

Size,	3/8	1/2	5/8	3/4 in.
Finished, per doz.,	$16.00 Catch.	18.00 Catcher.	21.00 Catchfly.	28.00 Catsup.
Nickel Plated, per doz.,	$18.00 Cate.	20.50 Category.	23.50 Catenate.	30.50 Cater.

FOR IRON PIPE, WITH SHOULDER.

NOT ILLUSTRATED.

A—304.

Size,	3/8	1/2	5/8	3/4 in.
Finished, per doz.,	$16.00 Catfish.	18.00 Catgut.	21 00 Catharist.	28.00 Cathartic.
Nickel Plated, per doz.,	$18.00 Cathode.	20.50 Cathole.	23.50 Cation.	30.50 Catkin.

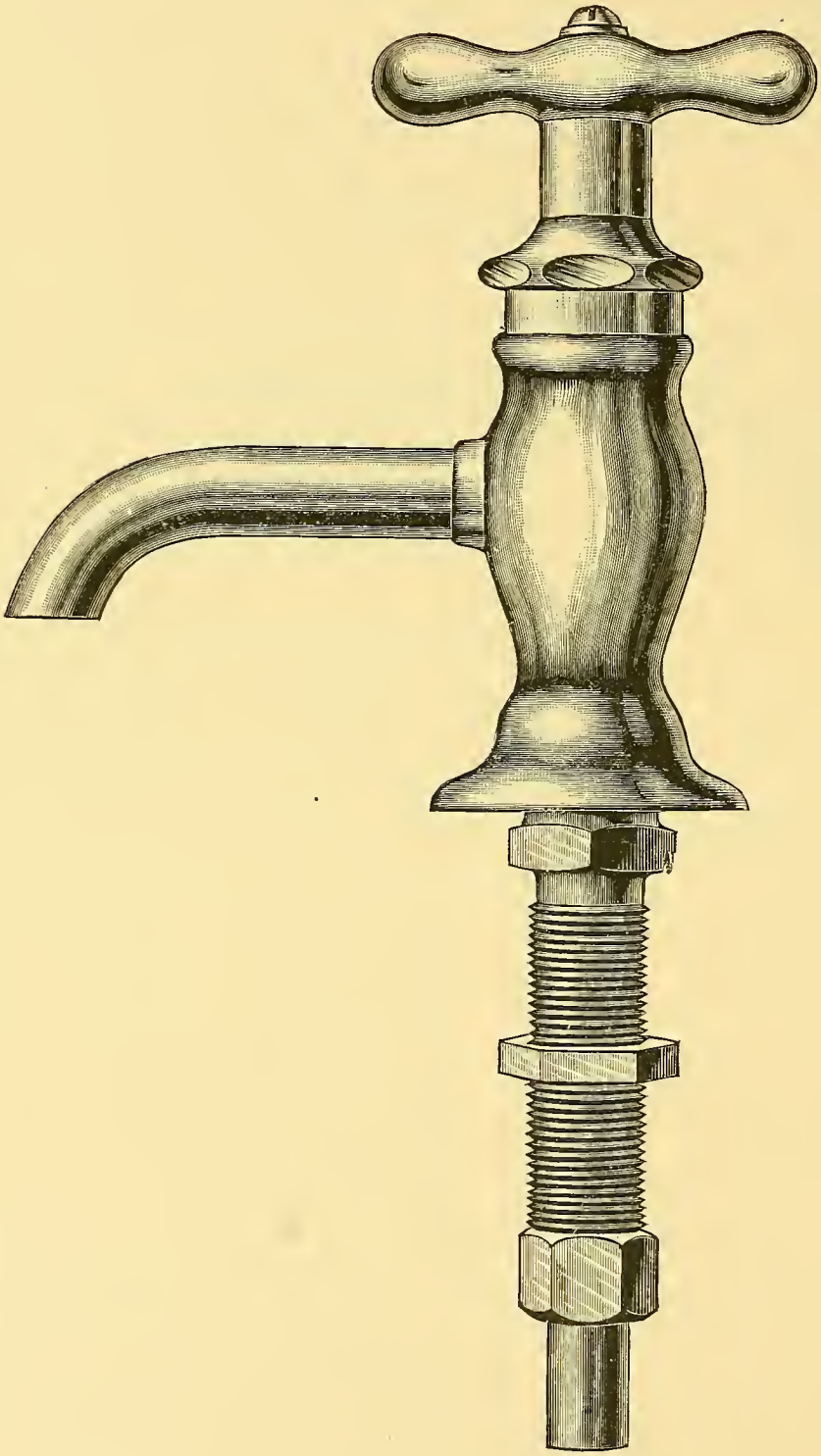
WITH FLANGE AND THIMBLE.

NOT ILLUSTRATED.

A—305.

Size,	3/8	1/2	5/8	3/4 in.
Finished, per doz.,	$22.00 Catsalt.	26.00 Catscye.	30.00 Catso	42.00 Cattish.
Nickel Plated, per doz.,	$24.00 Cattle.	28.50 Caucus.	32.50 Caudal.	44.50 Caudate.

BOSTON SELF-CLOSING BASIN COCKS.

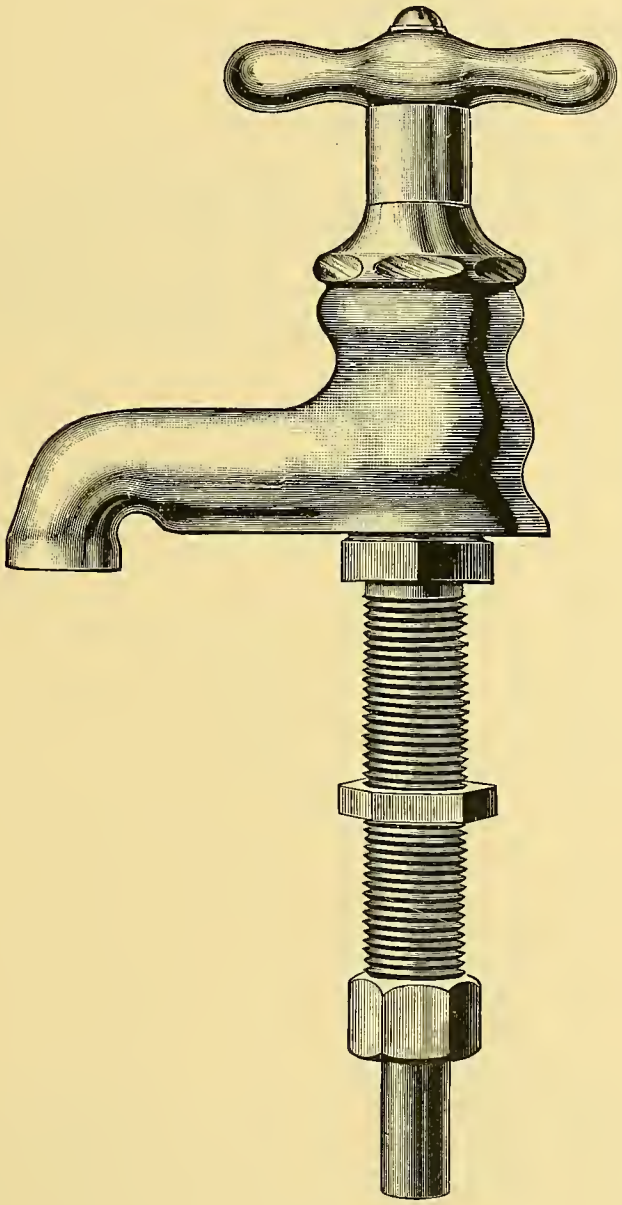


A—306.

Finished, per doz.,	$45.00 Caufle.
Nickel Plated, per doz.,	$48.00 Caught.

BOSTON SELF-CLOSING BASIN COCKS

LOW-DOWN PATTERN.

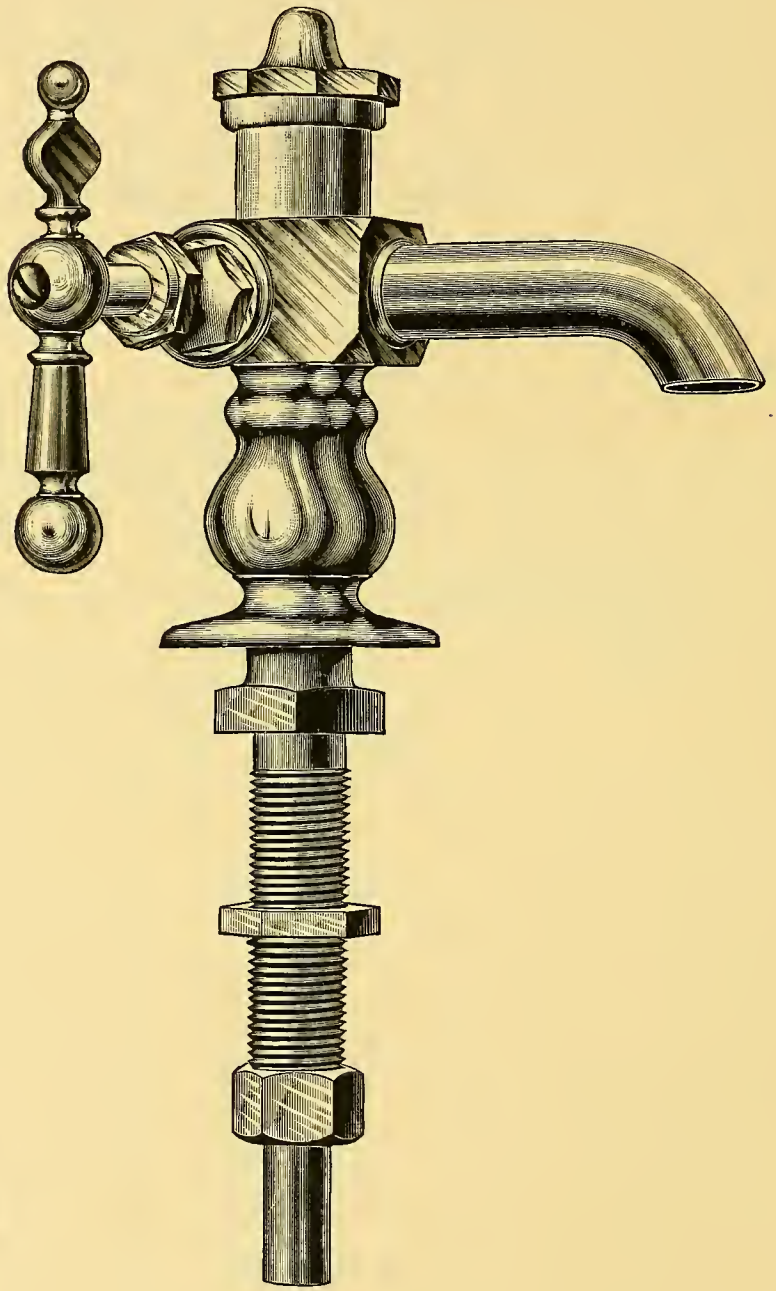


A—307.

Finished, per doz.,	$45.00 Caul.
Nickel Plated, per doz.,	$48.00 Caulicle.

SELF-CLOSING BASIN COCKS.

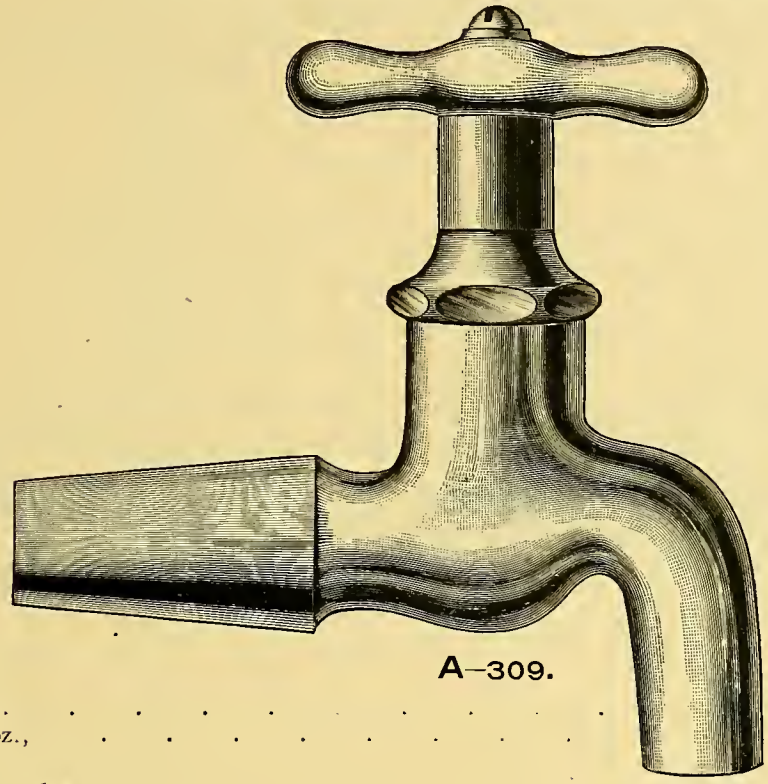
GIELOW'S PATENT.



A–308.

Finished, per doz.,	$33.00 Caulis.
Nickel Plated, per doz.,	$38.00 Caulk.

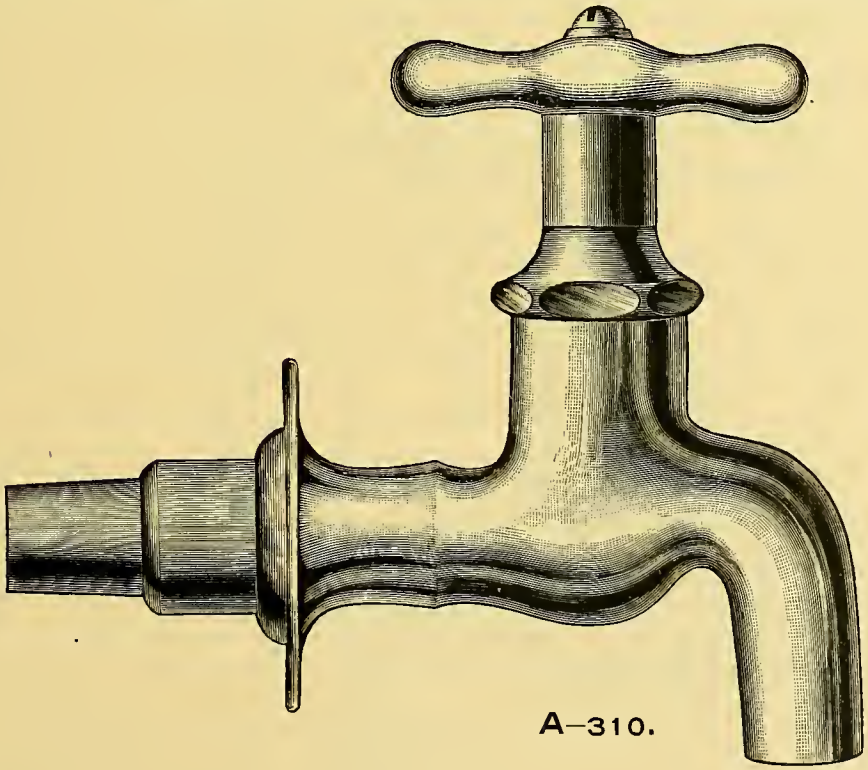
BOSTON SELF-CLOSING BIBBS.



A—309.

Size,	3/8	1/2	5/8 in.
Finished, per doz.,	$21.00 Causable.	24.00 Causal.	27.00 Causation.
Nickel Plated, per doz.,	$25.00 Causator.	28.00 Cause.	31.00 Causeful.

BOSTON SELF-CLOSING BIBBS, FLANGE AND THIMBLE.

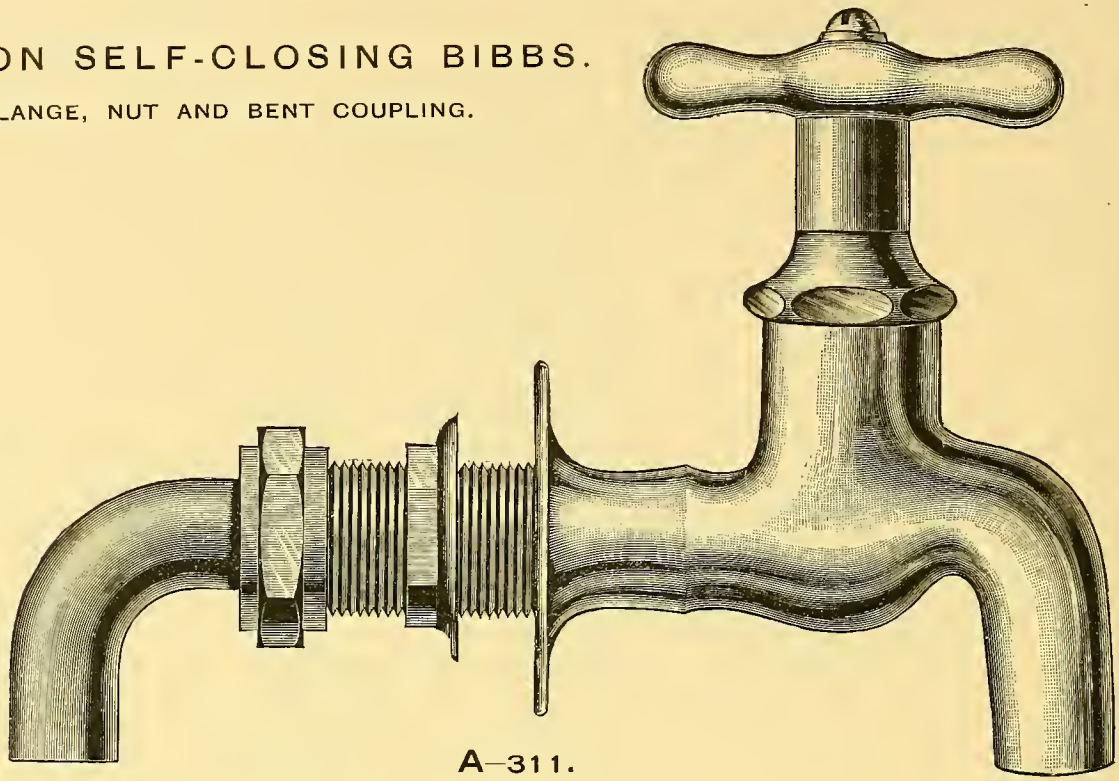


A—310.

Size,	3/8	1/2	5/8 in.
Finished, per doz.,	$33.00 Causeyed.	36.00 Caustical.	39.00 Causticity.
Nickel Plated, per doz.,	$37.00 Cautelous.	40.00 Cauter.	43.00 Cauterant.

BOSTON SELF-CLOSING BIBBS.

FLANGE, NUT AND BENT COUPLING.

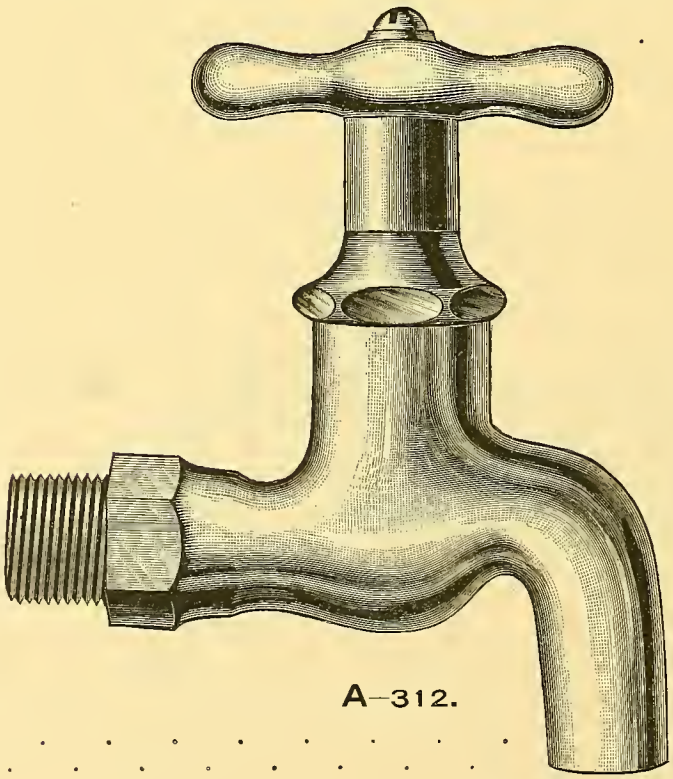


A—311.

Size,	½	⅝ in.
Finished, per doz.,	$43.00 Cauterism.	50.00 Cauterize.
Nickel Plated, per doz.,	$48.00 Cautionry.	55.00 Cautiously

BOSTON SELF-CLOSING BIBBS.

FOR IRON PIPE.

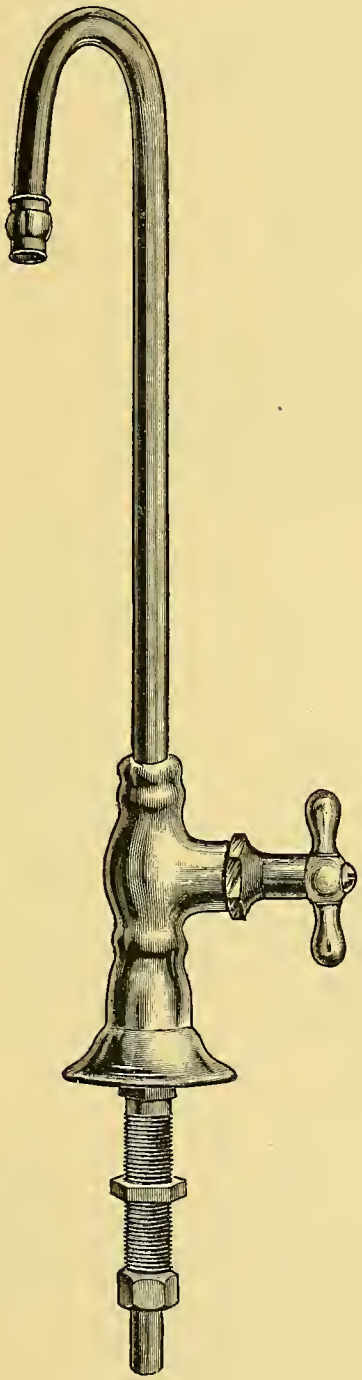


A—312.

Size,	⅜	½	⅝ in.
Finished, per doz.,	$25.00 Causon.	28.00 Caustic.	31.00 Cautel.
Nickel Plated, per doz.,	$29.00 Caister.	32.00 Caution.	35.00 Cautious.

BOSTON SELF-CLOSING PANTRY COCKS.

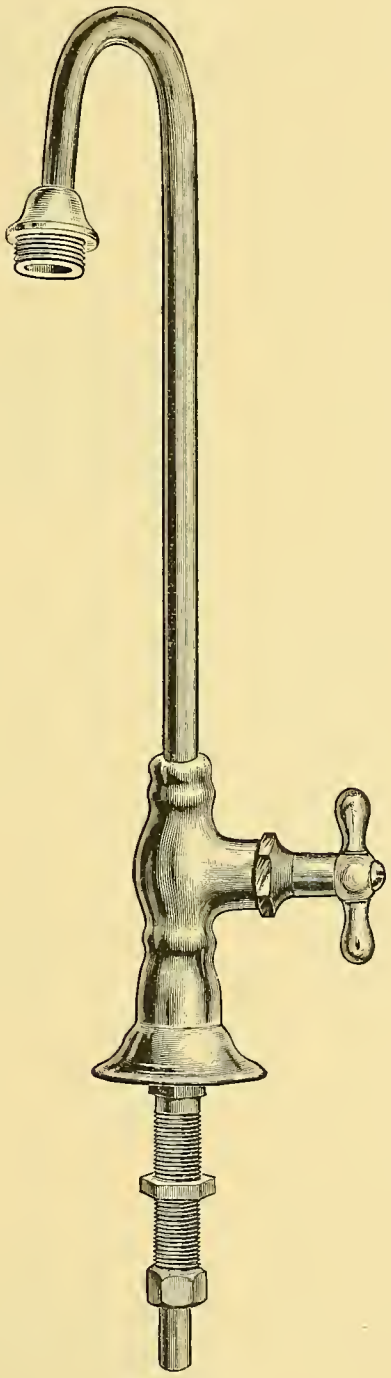
PLAIN.



A—313.

Finished, per doz., ...	$54.00 Caverol.
Nickel Plated, per doz., ...	$64.00 Caveroc.

WITH HOSE END.

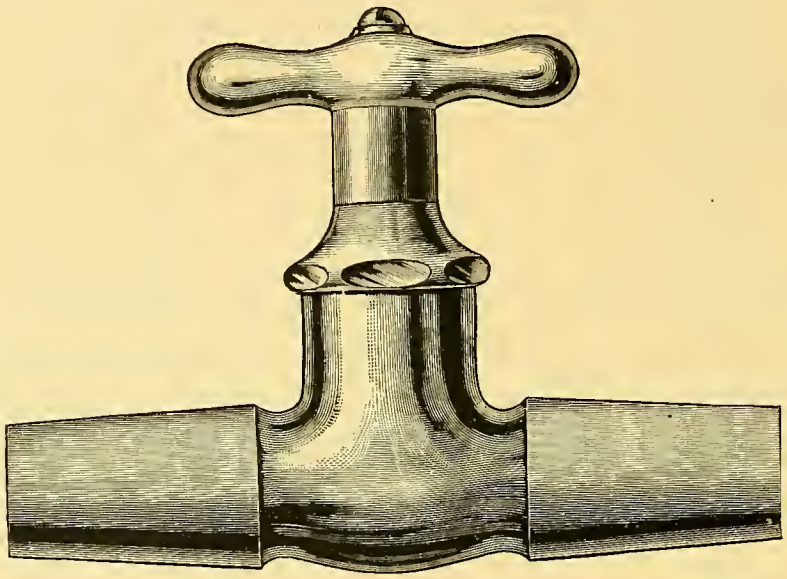


A—314.

Finished, per doz., ...	$58.00 Cavalcade.
Nickel Plated, per doz., . .	$68.00 Cavass.

BOSTON SELF-CLOSING STOP COCKS.

FOR LEAD PIPE.

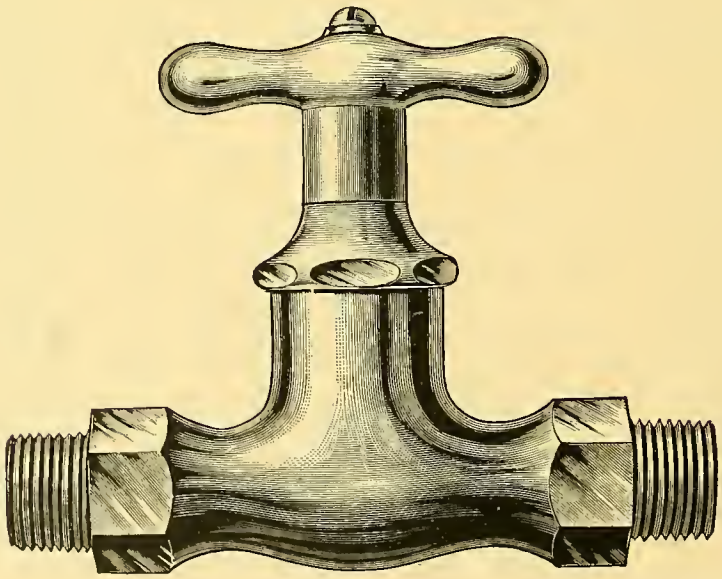


A—315.

Size,	½	⅝ in.
Per doz.,	$24.00 Cavation.	27.00 Cave.

BOSTON SELF-CLOSING STOP COCKS.

FOR IRON PIPE.

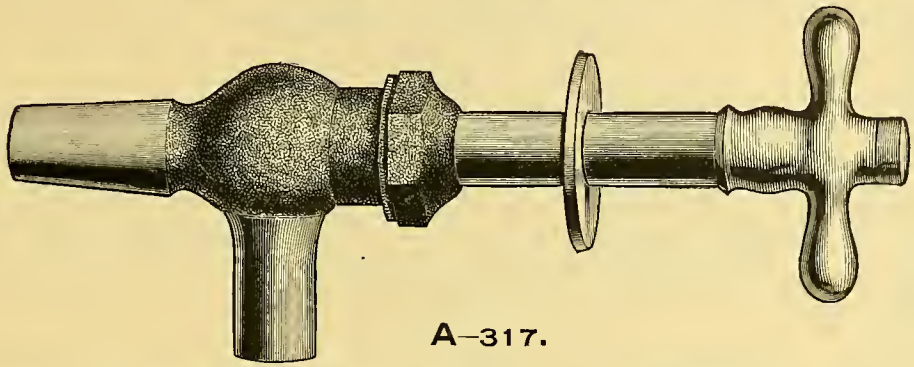


A—316.

Size,	½	¾ in.
Per doz.,	$32.00 Caveat.	35.00 Cavern.

BOSTON SELF-CLOSING HOPPER COCKS.

FINISHED FLANGE AND HANDLE, FOR LEAD PIPE.

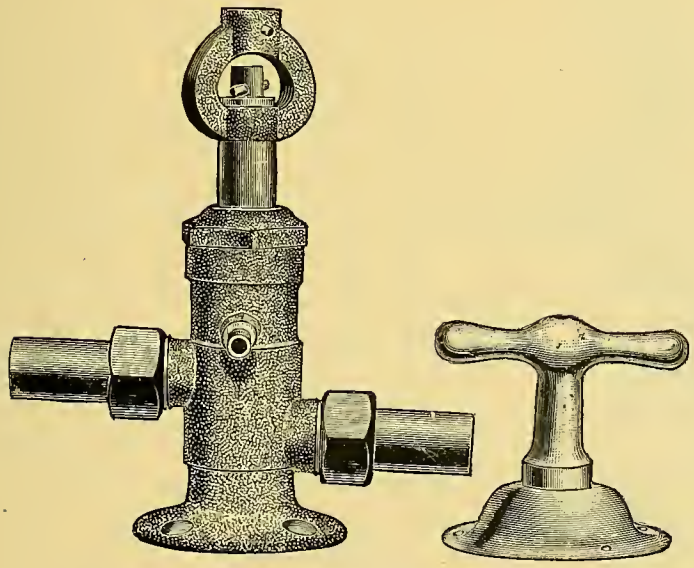


A—317.

⅝ in., Rough, Finished Flange and Handle, per doz.,	$30.00 Caveator.	Nickel Plated, . . .	$33.00 Caveating.

FOR 1-2 INCH IRON PIPE, ONE END.

½ in., Rough, Finished Flange and Handle, per doz.,	$31.00 Cavendish.	Nickel Plated, ...	$34.00 Caviler.

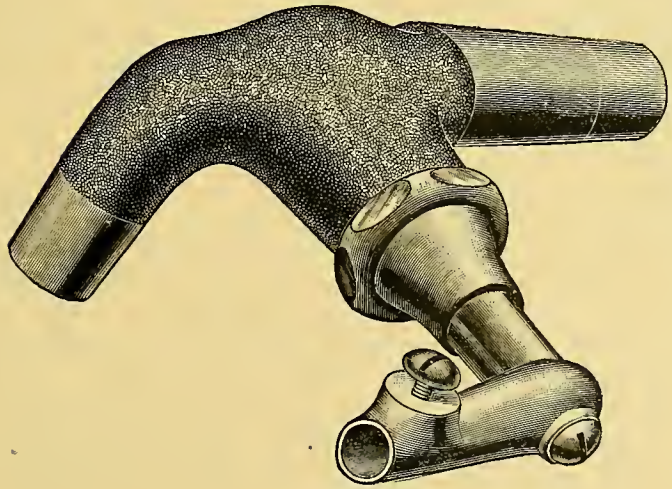


A—318.

BOSTON SELF-CLOSING HOPPER COCKS.

WITH PLATES AND HANDLES.

Size, ...	⅝ in.
Rough, Finished Flange and Handle, per doz.,	$60.00 Cavil.

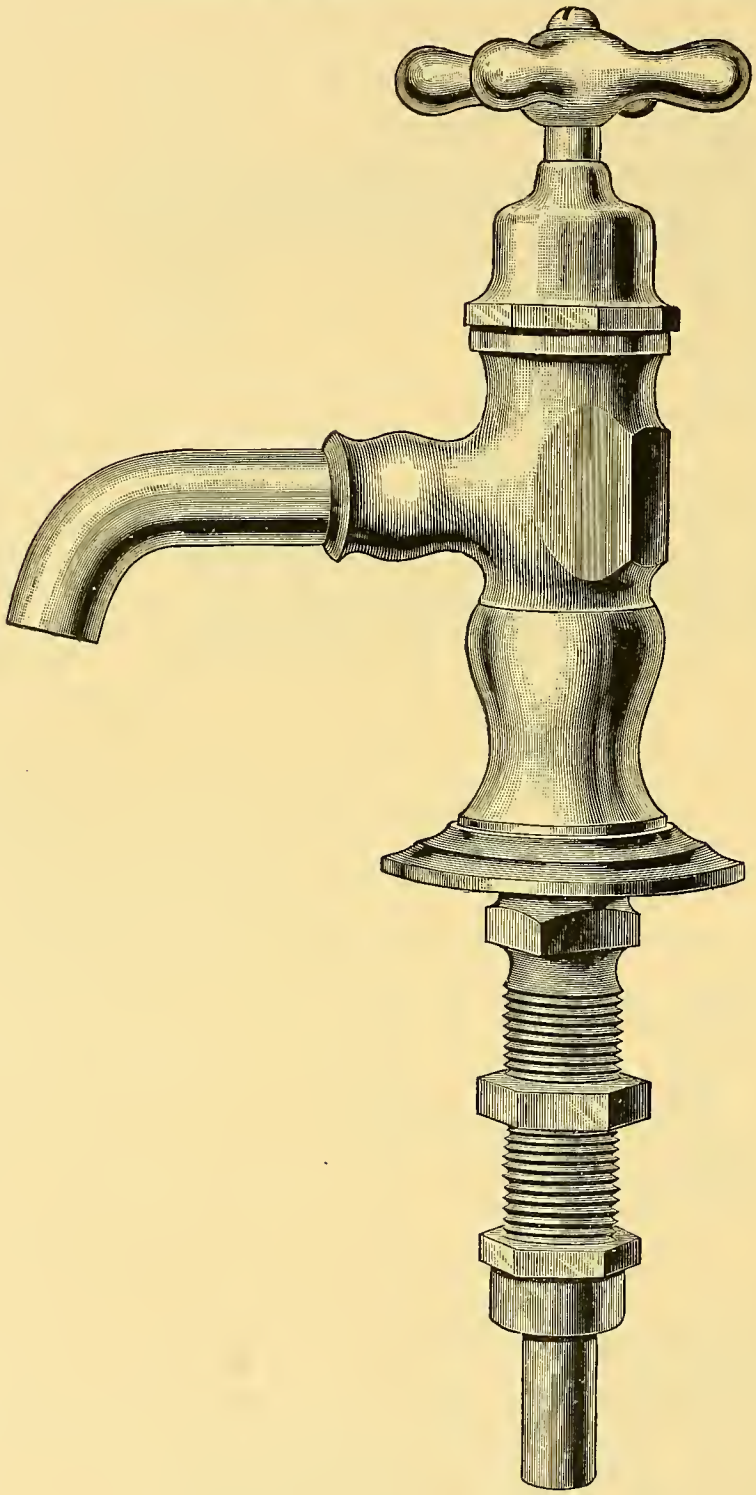


A—319.

BOSTON SELF-CLOSING BALL COCKS.

Size, ...	½	¾ in.
Rough, per doz., ...	$21.00 Cavesson.	31.00 Caviar.
Copper Balls, Weighted, per doz., .	$12.00 Cavetto.	18.00 Cavicorn.

PRIER SELF-CLOSING BASIN COCKS.



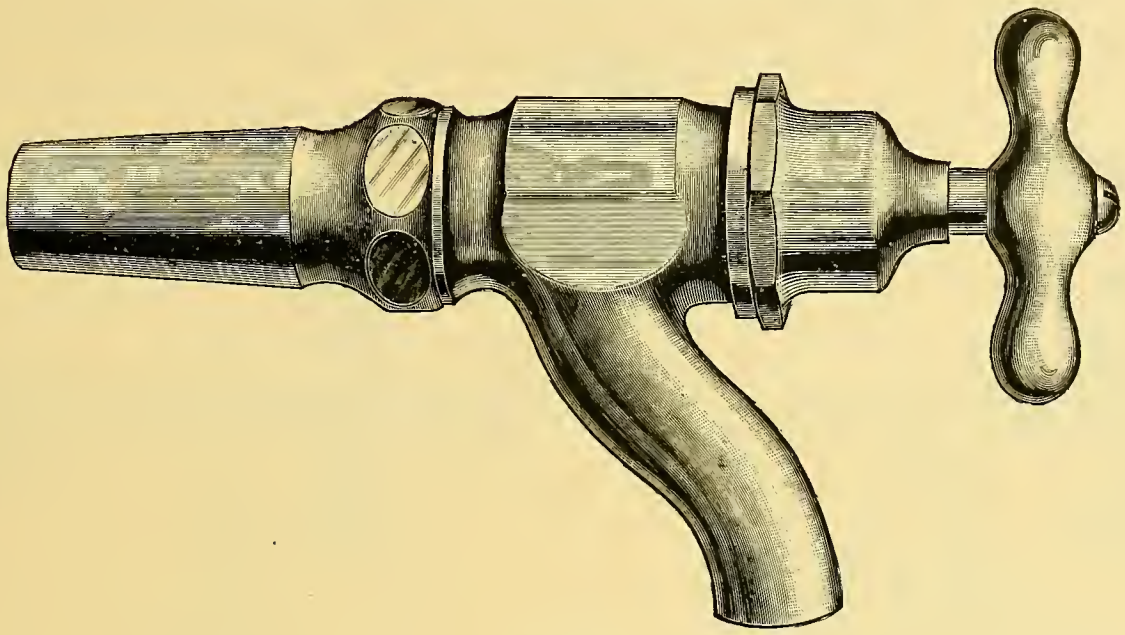
A—320.

Finished, per doz.,	$45.00 Cavity.
Nickel Plated, per doz.,	$48.00 Caw.

PANTRY COCKS.

Finished, per doz.,	$62.00 Ceaser.
Nickel Plated, per doz.,	$71.00 Cebral.

PRIER SELF-CLOSING WORK.



A–321.

PLAIN BIBBS.
FOR LEAD PIPE.

Size,	½	⅝ in.
Finished, per doz.,	$24.00 Cedar.	27.00 Celebrity.
Nickel Plated, per doz.,	$28.00 Ceil.	31.00 Celerity.

PLAIN BIBBS.
FOR IRON PIPE.

Size,	½	⅝ in.
Finished,	$28.00 Cervine.	31.00 Cetic.
Nickel Plated, per doz.,	$32.00 Cession.	35.00 Chafe.

PLAIN BIBBS.
FLANGE AND THIMBLE.

Size,	½	⅝ in.
Finished, per doz.,	$36.00 Cell.	39.00 Celtic.
Nickel Plated, per doz.,	$40.00 Cellar.	43.00 Cement.

HOSE BIBBS.
FOR LEAD PIPE.

Size,	½	⅝ in.
Finished, per doz.,	$30.00 Change.	33.00 Chant.
Nickel Plated, per doz.,	$34.00 Changeable.	37.00 Chaos.

HOSE BIBBS.
FOR IRON PIPE.

Size,	½	⅝ in.
Finished, per doz.,	$33.00 Censual.	36 00 Central.
Nickel Plated, per doz.,	$37.00 Census.	40.00 Centre.

HOSE BIBBS.
FLANGE AND THIMBLE.

Size,	½	⅝ in.
Finished, per doz.,	$40.00 Chapron.	43.00 Chapter.
Nickel Plated, per doz.,	$44.00 Chaplain.	47.00 Character.

STOPS.
FOR LEAD PIPE.

Size,	½	⅝ in.
Finished, per doz.,	$24.00 Century.	27.00 Ceriferous.

STOPS.
FOR IRON PIPE.

Size,	½	⅝ in.
Finished, per doz.,	$30.00 Charcoal.	33.00 Chariot.

URINAL COCKS.

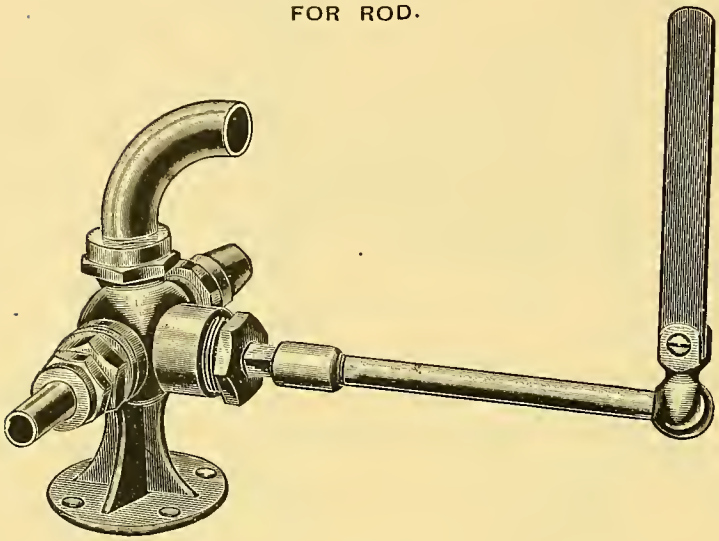
Finished, per doz.,	$45.00 Chaste.
Nickel Plated, per doz.,	$48.00 Chat.

URINAL COCKS.
FLANGE AND THIMBLE.

Finished, per doz.,	$62.00 Chateau.
Nickel Plated, per doz.,	$71.00 Cheap.

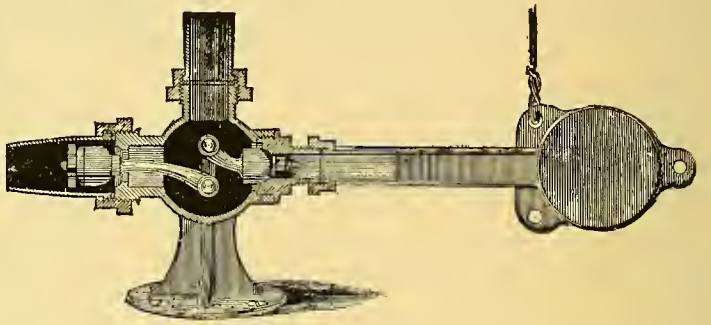
KELLY STOP AND WASTE COCK.

FOR ROD.



A—322.

FOR CHAIN AND LEVER.



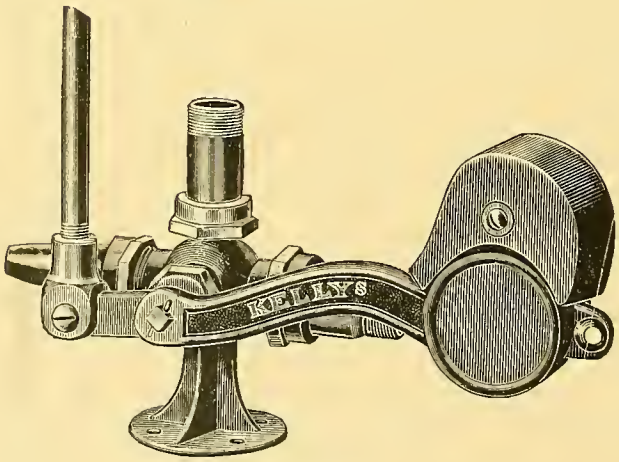
A—323.

With Rod or Lever Attachment for Lead Pipe, each, ... $5.00 Cheer.

With Rod or Lever Attachment for Iron Pipe, each, ... $5.50 Cheese.

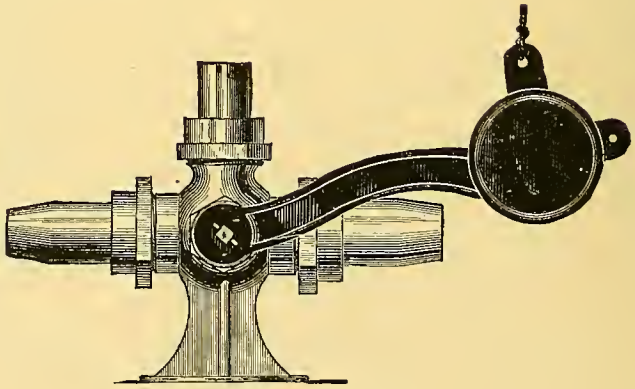
KELLY HOPPER COCK.

FOR SEAT ACTION



A—324.

REGULAR.



A—325.

For Lead Pipe, each . . . . . $5.50 Cheetah.

For Iron Pipe, each, ... $6.00 Chet.

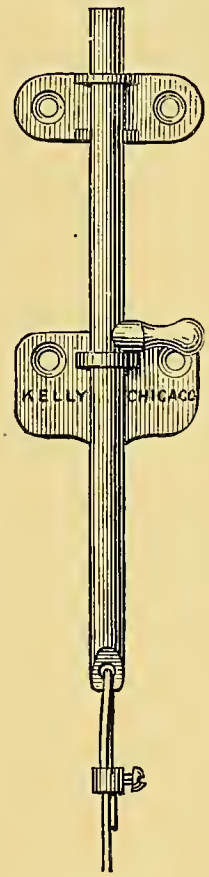
For Lead Pipe, each, ... $5.00 Cherry.

For Iron Pipe, each, ... $5.50 Chess.

Any of our various styles Hoppers, or Hoppers and Traps, Earthenware or Enameled Iron (not flush rims), can be used in connection with this Hopper Cock. We can also furnish our Seats, with or without Drip Trays, for Hoppers selected.

GALVANIZED IRON LATCH.

FOR KELLY STOP AND WASTE COCK.

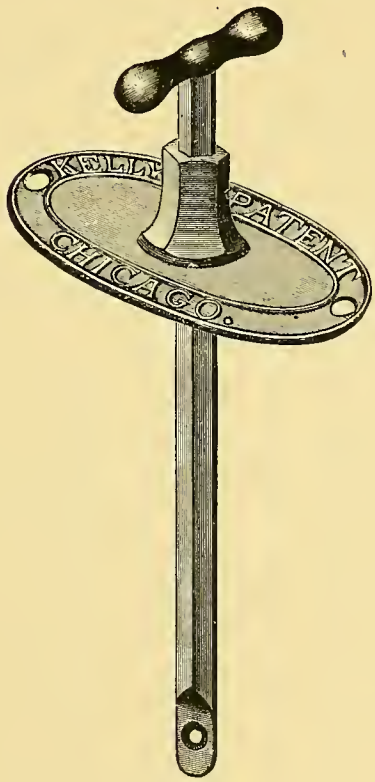


A–326.

Each, ... $0.75

GALVANIZED IRON NEW PATTERN PULL.

FOR KELLY HOPPER COCK.



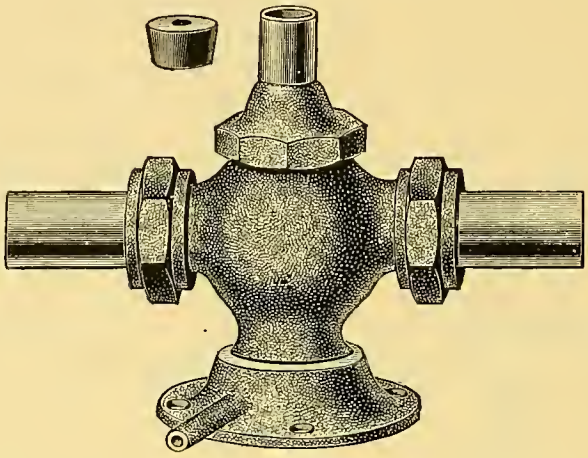
A–327.

Each, ... $0.50

Upright Pulleys, 2½ inches in diameter, per doz., ... $1.20 Chew.

Side Pulleys, 2 inches in diameter, per doz., ... $0.80 Chick.

HOPPER COCKS.

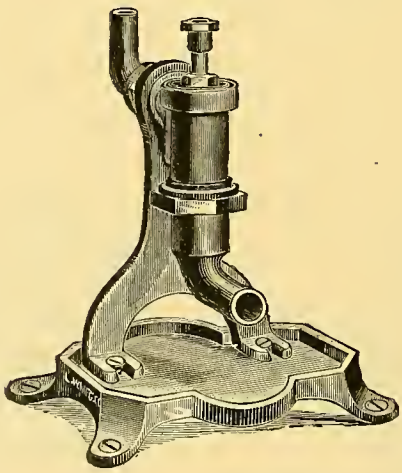


A—328.

Per doz., ... $26.00 Chilly.

DOUBLE-ACTING HOPPER COCKS.

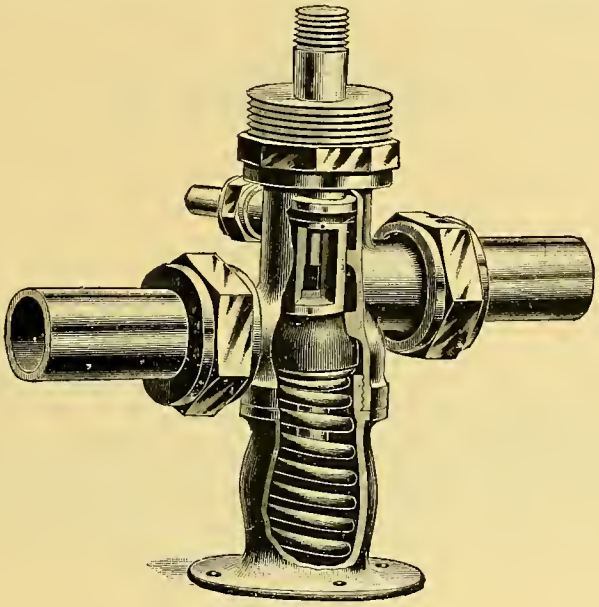
ON FRAME WITH WASTE.



A—329.

Each, ... $5.00 Chime.

PATENT HOPPER COCKS.



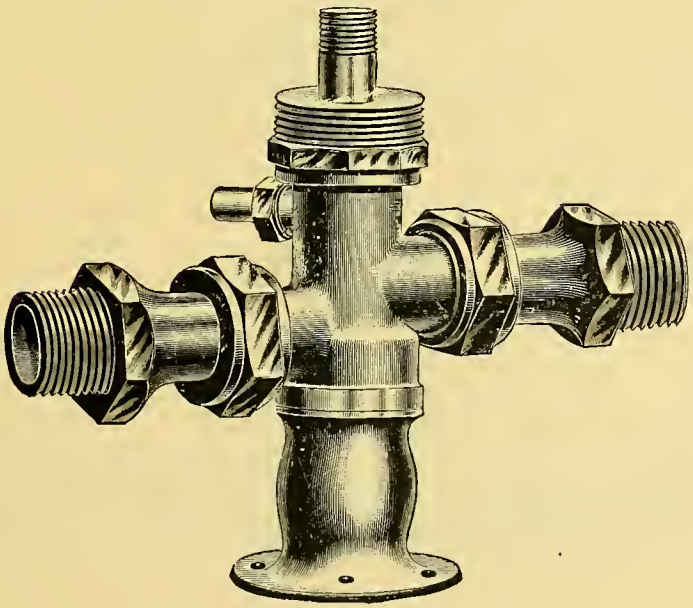
A—330.

Each, ... $1.50 Chimera.

Thread on cap is for gas pipe protection when put in the ground. Thread on stem is for the rod.

PATENT HOPPER COCKS.

FOR IRON PIPE.

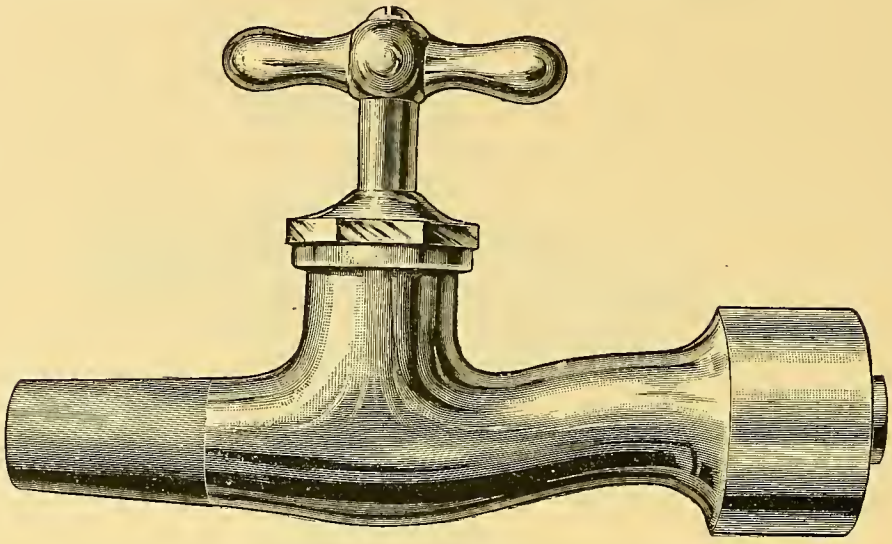


A—331.

Each, for ¾ inch Iron Pipe, ... $1.75 Chimer.

Thread on cap is for gas pipe protection when put in the ground. Thread on stem is for the rod.

COMPRESSION URINAL COCKS.

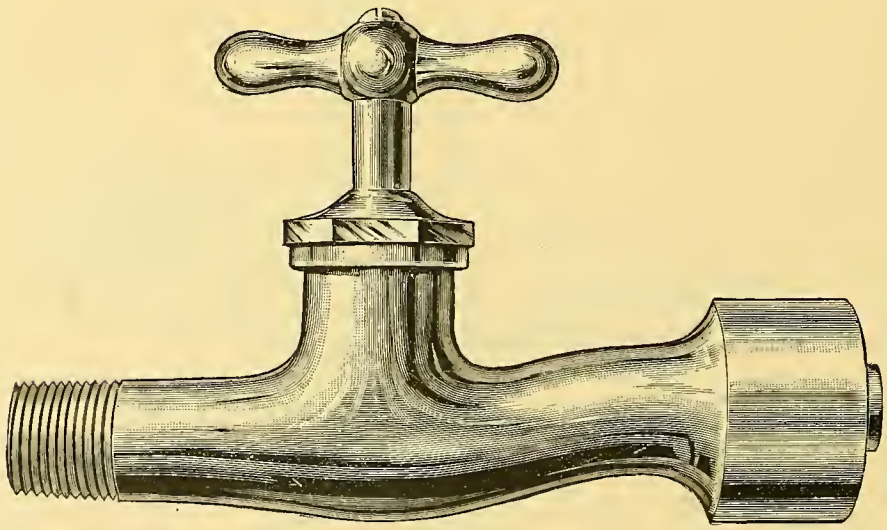


A—332.

Size,	3/8	1/2	5/8 in.
Finished, per doz,	$17.00 Chi.	18.00 Chie.	20.00 Chiea.
Nickel Plated, per doz.,	$20.00 Chieab.	21.00 Chieac.	23.00 Chiead.

COMPRESSION URINAL COCKS.

FOR IRON PIPE.

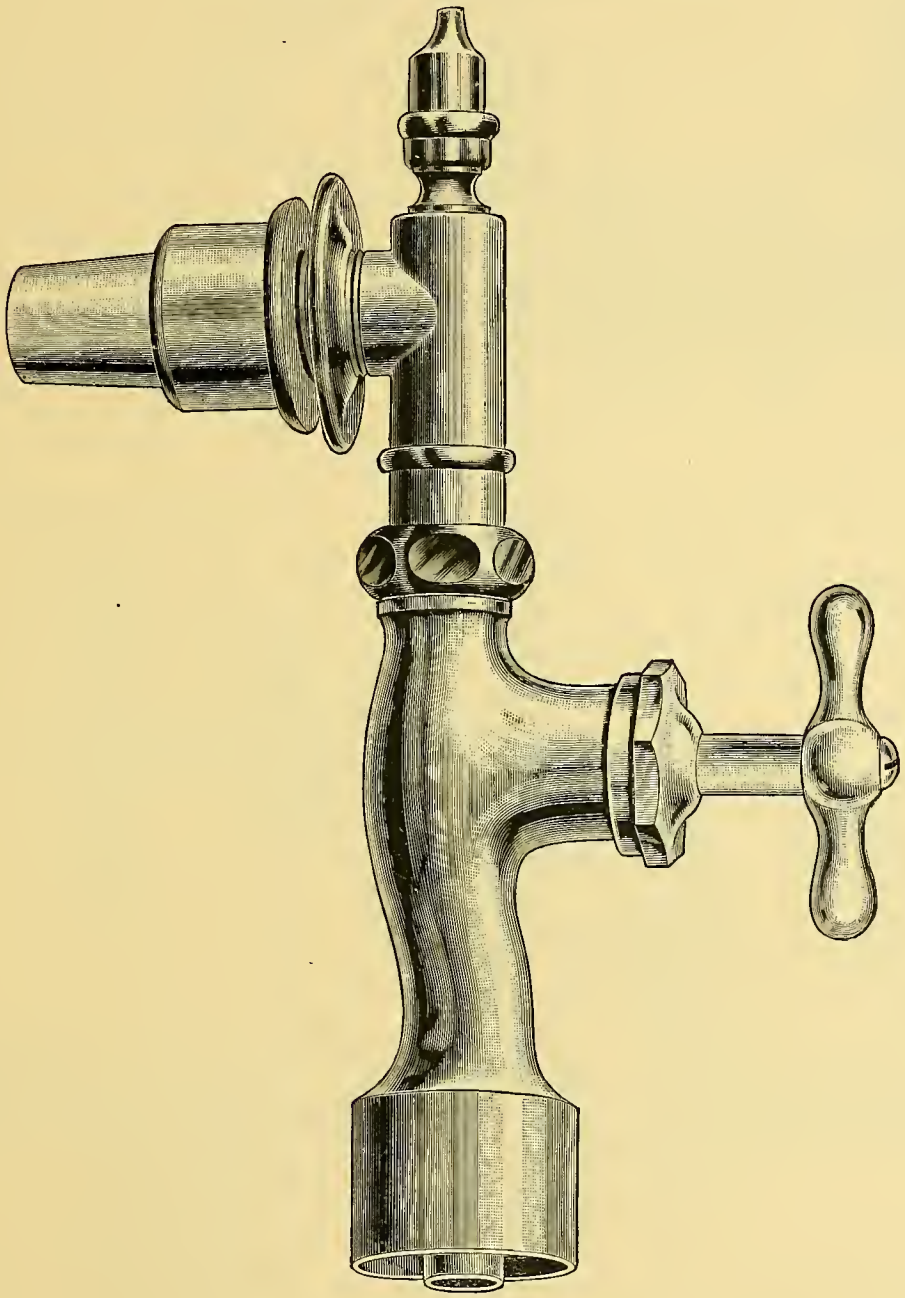


A—333.

Size,	3/8	1/2	5/8 in.
Finished, per doz.,	$18.00 Chieae.	19.00 Chieaf.	21.00 Chilf.
Nickel Plated, per doz.,	$21.00 Chael.	22.00 Chald.	24.00 Cheald.

COMPRESSION URINAL COCKS, FLANGE AND THIMBLE.

WITH UNION AND ADJUSTABLE FLANGE.

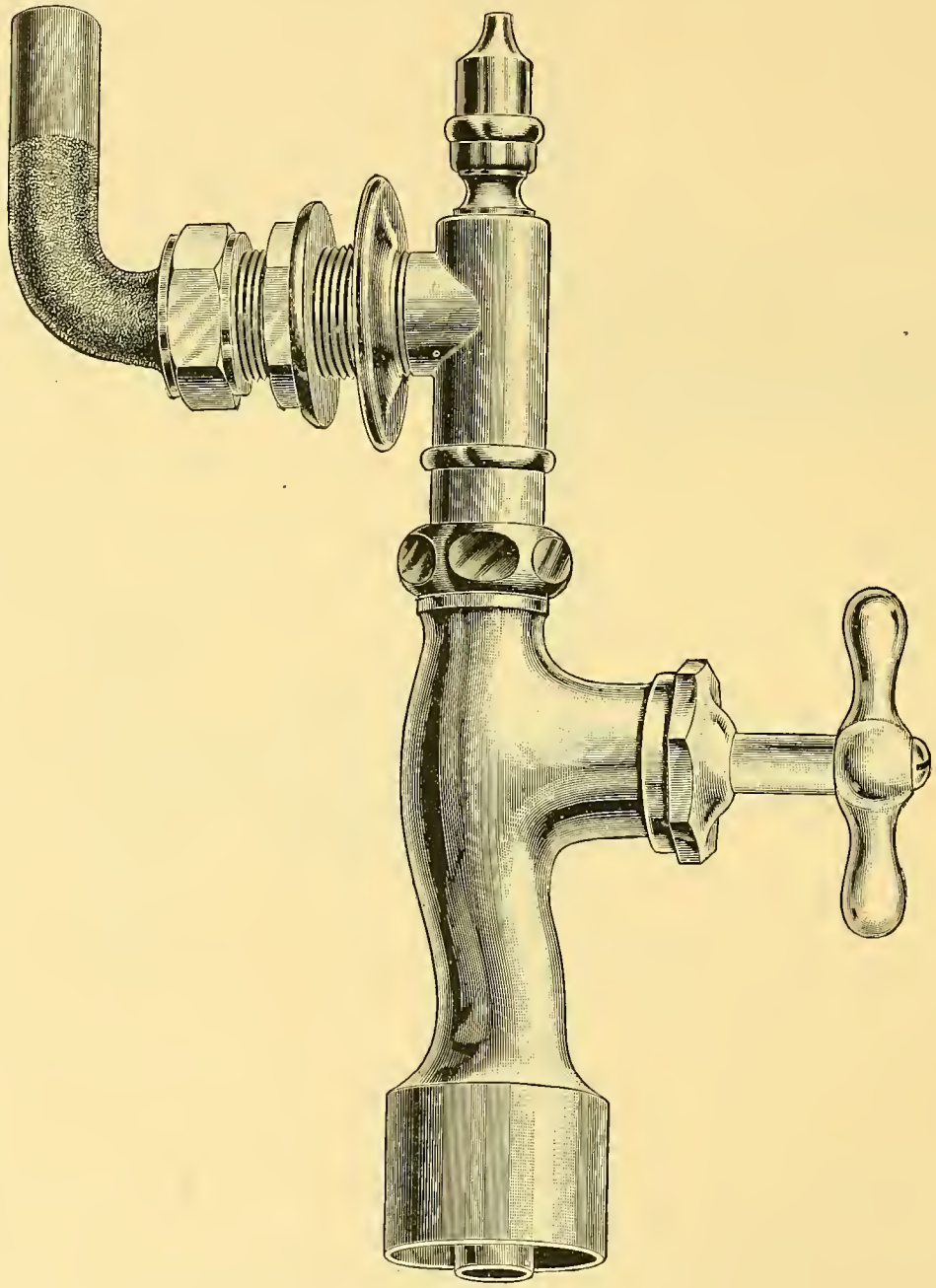


A—334.

Finished, per doz.,	$40.00 Chela.
Nickel Plated, per doz.,	$45.00 Chelda.

COMPRESSION URINAL COCKS, FLANGE, NUT AND BENT COUPLING.

WITH UNION AND ADJUSTABLE FLANGE.

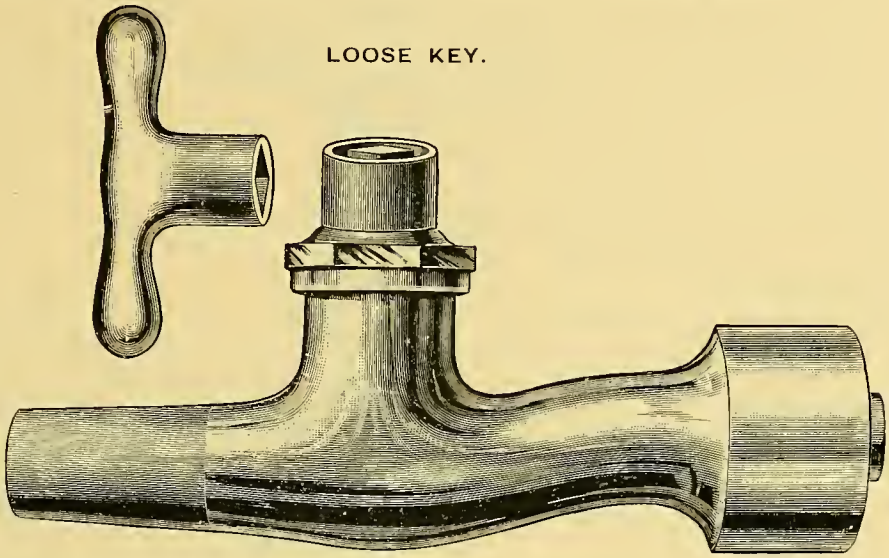


A—335.

Finished, per doz.,	$54.00 Chedla.
Nickel Plated, per doz.,	$60.00 Chadl.

COMPRESSION URINAL COCKS.

LOOSE KEY.



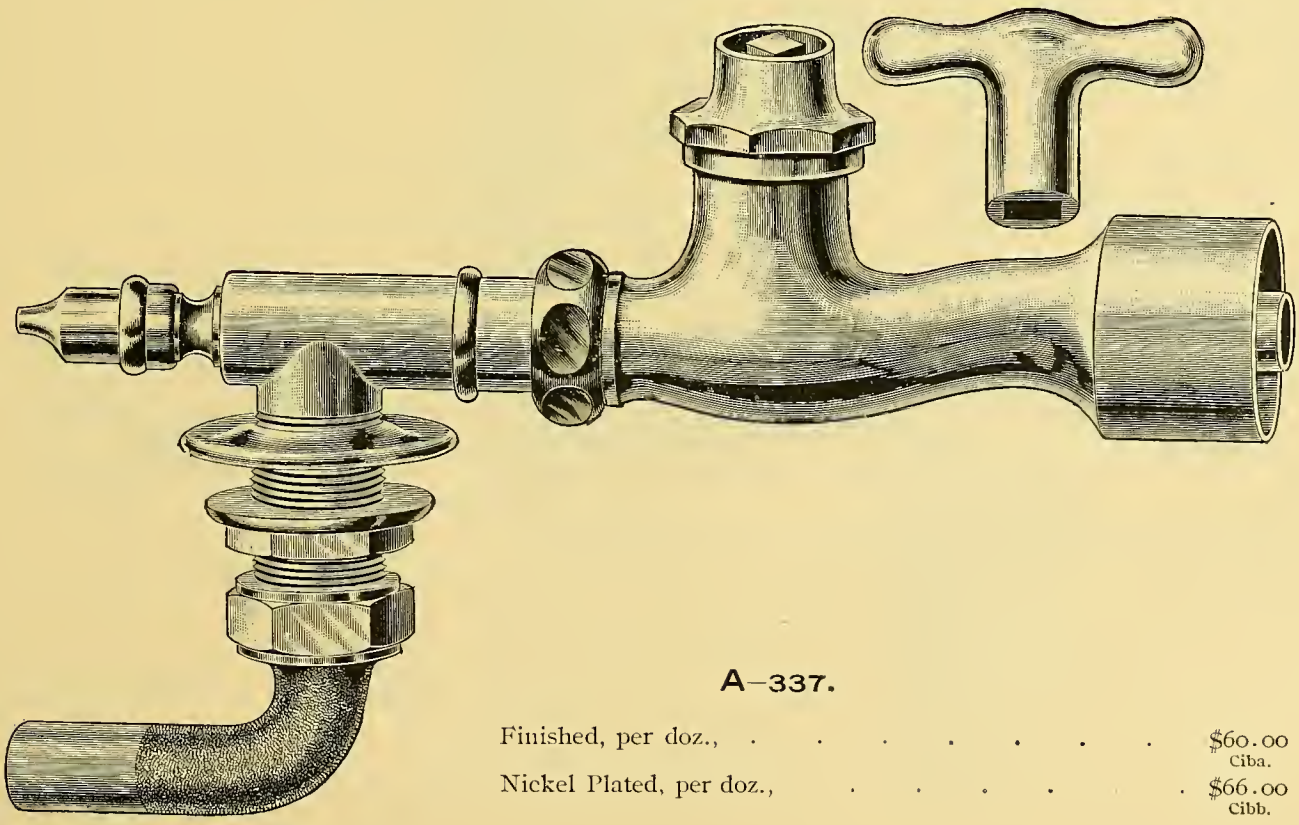
A–336.

Size,	½ in.
Finished, per doz.,	$24.00 Cibc.
Nickel Plated, per doz.,	$27.50 Cibe.

COMPRESSION URINAL COCKS, FLANGE, NUT AND BENT COUPLING.

WITH UNION AND ADJUSTABLE FLANGE.

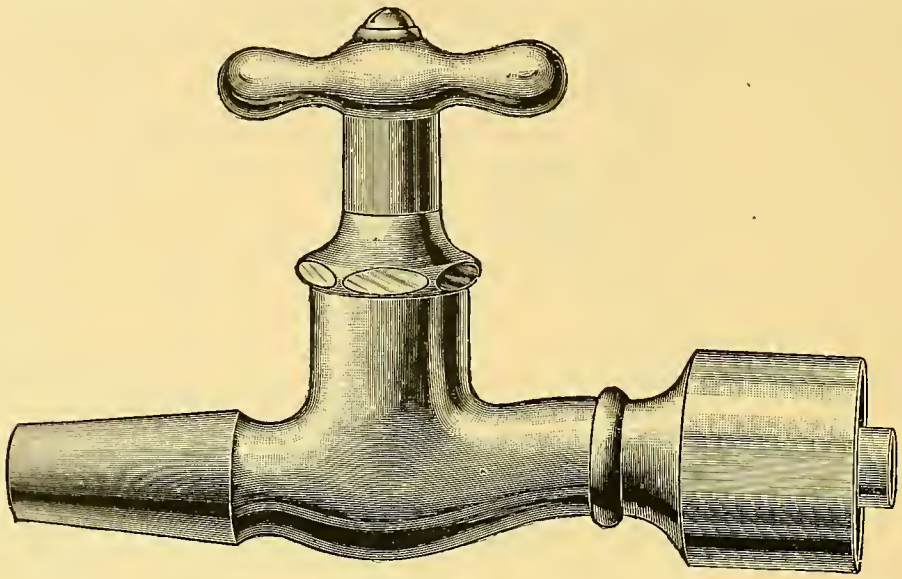
LOOSE KEY.



A–337.

Finished, per doz.,	$60.00 Ciba.
Nickel Plated, per doz.,	$66.00 Cibb.

BOSTON SELF-CLOSING URINAL COCKS.

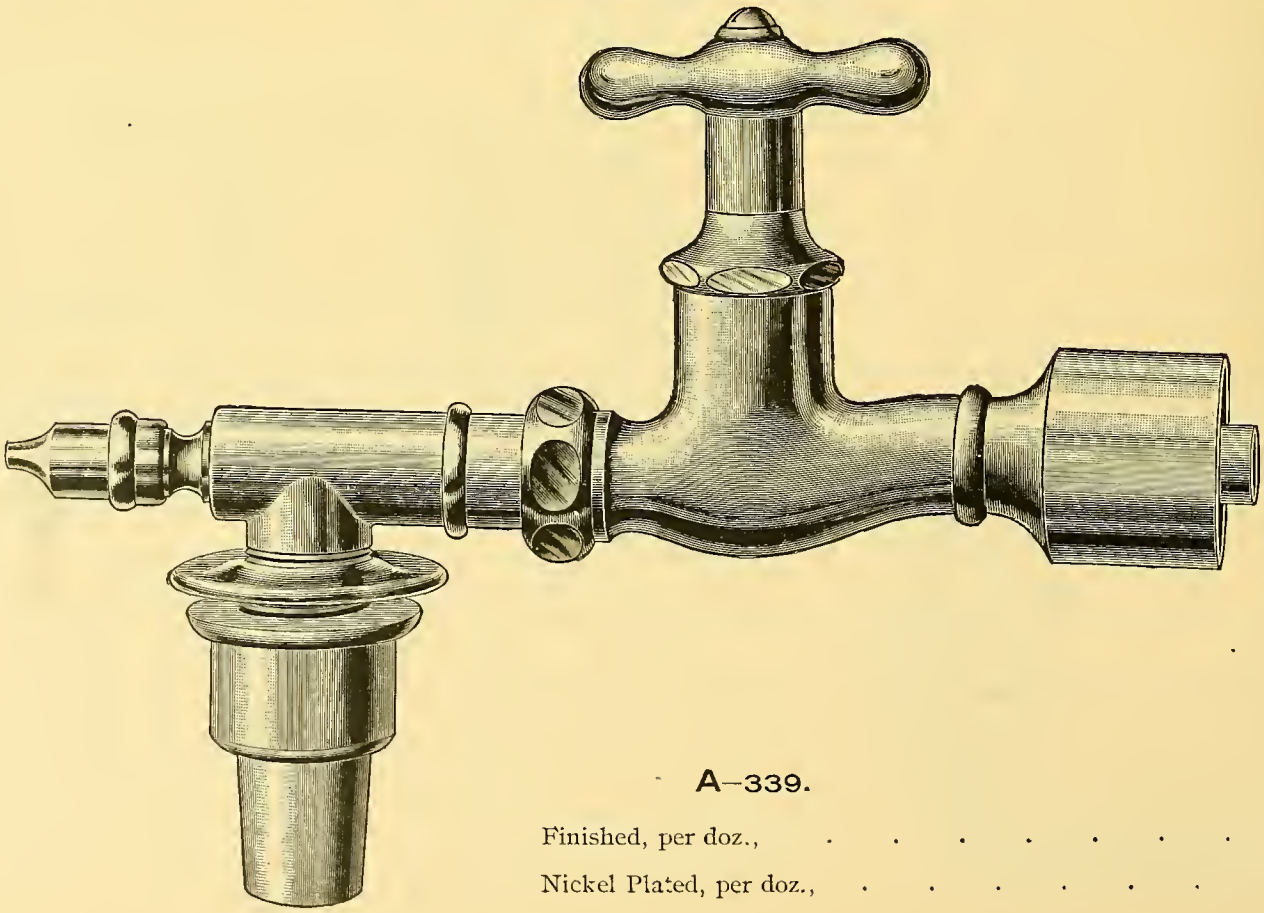


A—338.

Finished, per doz.,	$36.00 Cibf.
Nickel Plated, per doz.,	$41.00 Cibar.
For Iron Pipe add, per doz.,	$4.00 Clab.

BOSTON SELF-CLOSING URINAL COCKS, FLANGE AND THIMBLE.

WITH UNION AND ADJUSTABLE FLANGE.



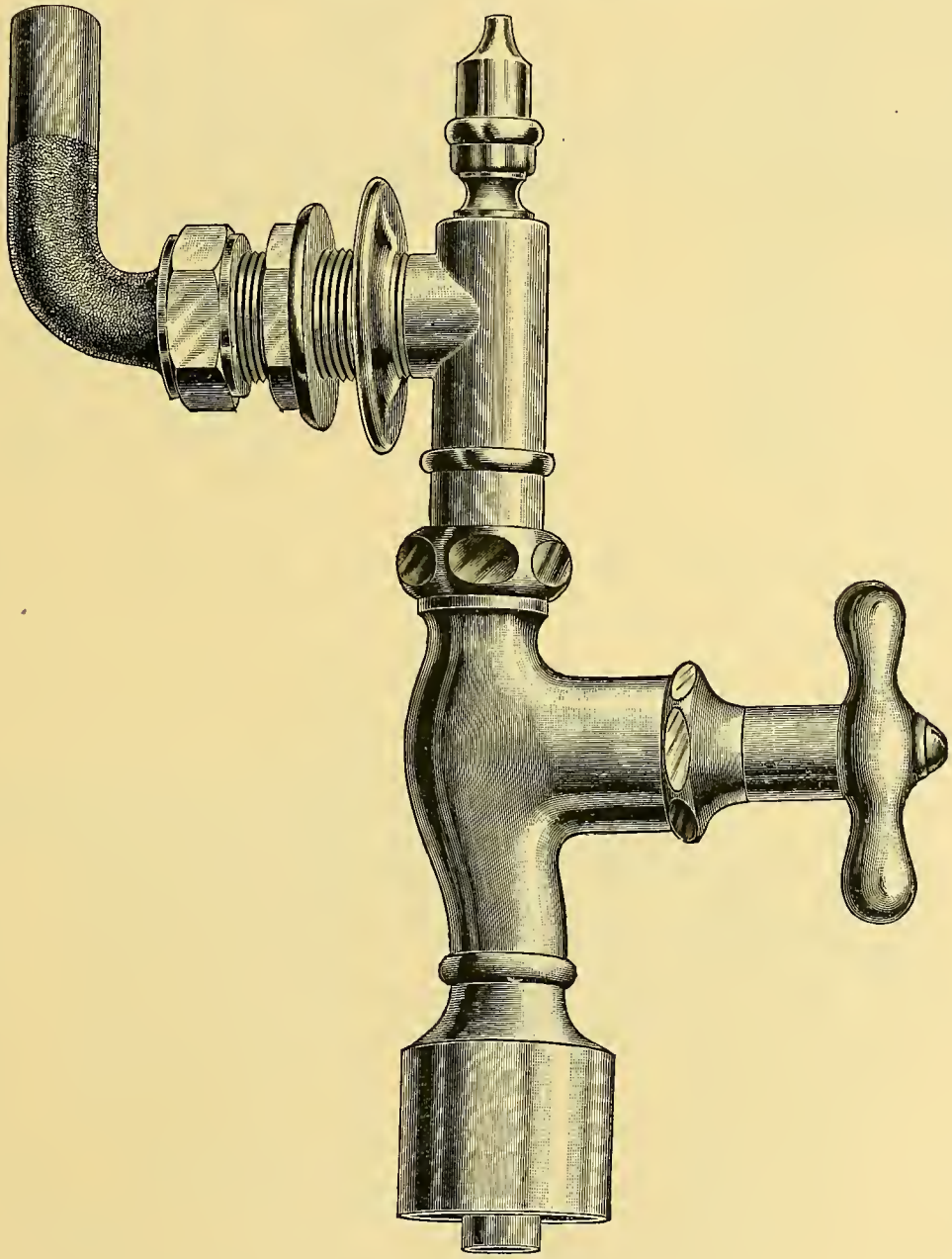
A—339.

Finished, per doz.,	$58.00 Clac.
Nickel Plated, per doz.,	$64.00 Clag.

BOSTON SELF-CLOSING URINAL COCKS.

FLANGE, NUT AND BENT COUPLING.

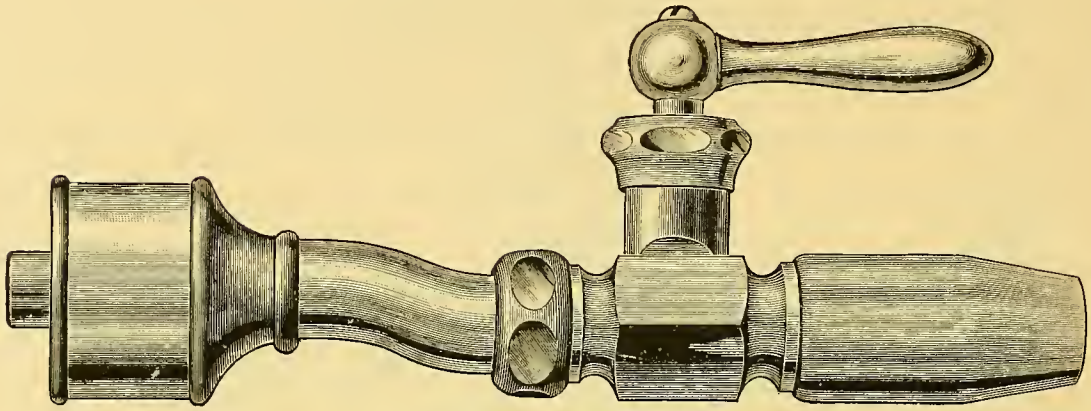
WITH UNION AND ADJUSTABLE FLANGE.



A—340.

Finished, per doz.,	$72.00 Clae.
Nickel Plated, per doz.,	$78.00 Claf.

FULLER URINAL COCKS.

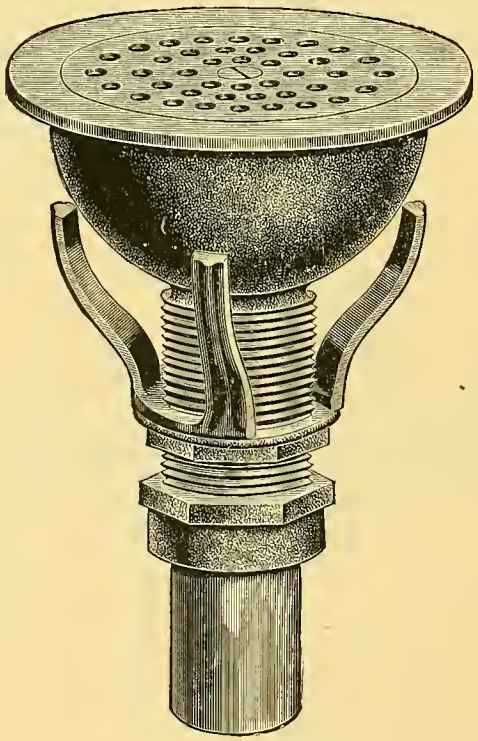


A–341.

Size,	½	⅝ in.
Finished, per doz.,	$27.00 Capsule.	$31 00 Captain.
Nickel Plated, per doz.,	$29.50 Caption.	$33 50 Captious.

BRASS BELL TRAP, WITH STRAINER.

FOR URINAL STALL BASE.



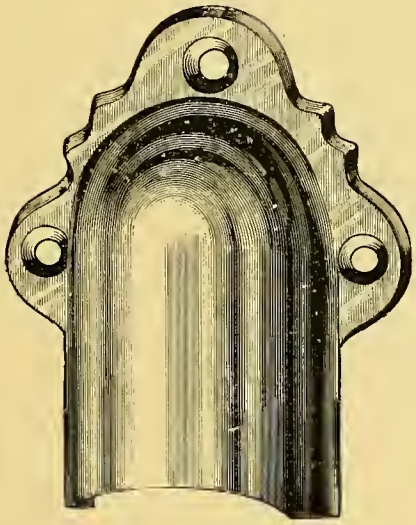
A–342.

Rough, Finished Flange and Strainer, each,	$3.50 Caple.
Rough, Nickel Plated Flange and Strainer, each,	$4.00 Capitule.

URINAL SHIELDS.

FOR BEDFORDSHIRE URINALS.

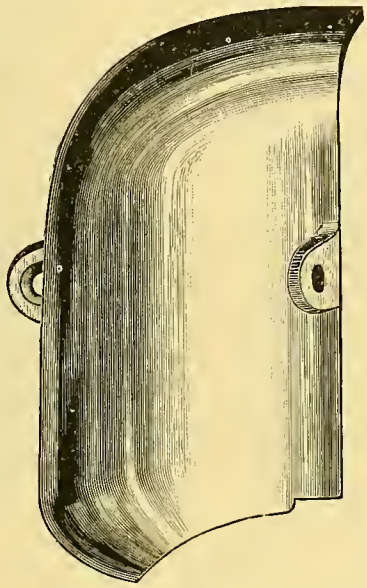
TOP-FLAT.



A–343.

Finished, each,	$1.00	Cognitive.
Nickel Plated, each,	$1.25	Cognizant.

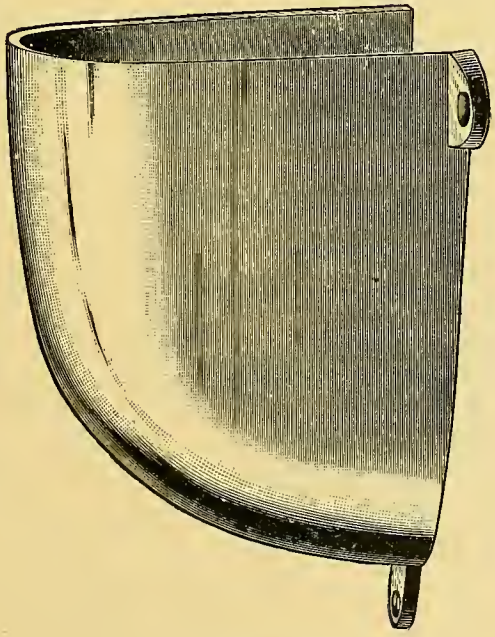
TOP-CORNER.



A–344.

Finished, each	$1.00	Cogne.
Nickel Plated, each,	$1.25	Cogware.

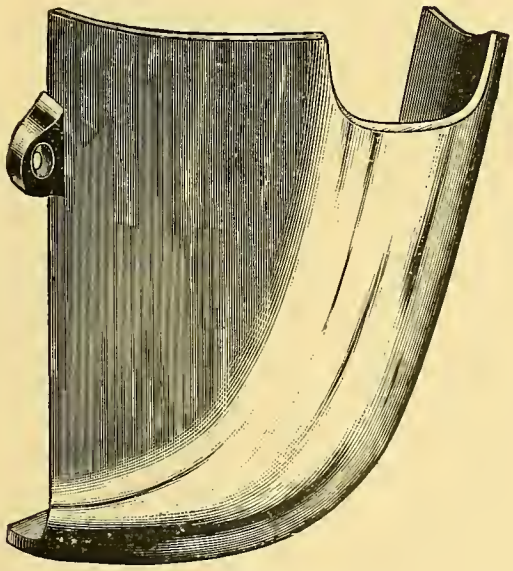
BOTTOM-FLAT.



A–345.

Finished, each,	$1.65	Cohere.
Nickel Plated, each,	$1.85	Coherent.

BOTTOM-CORNER.

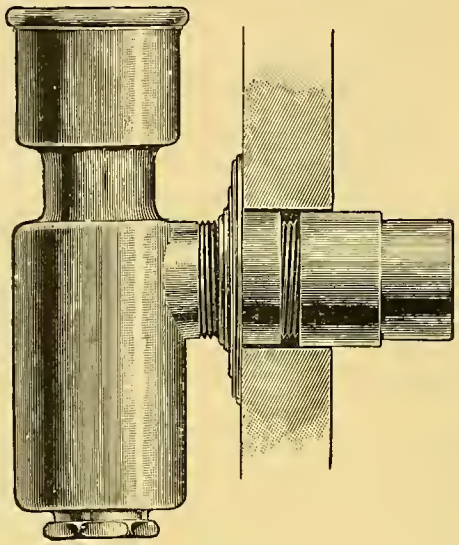


A–346.

Finished, each,	$1.65	Cohibit.
Nickel Plated, each,	$1.85	Cohobate.

BRASS URINAL TRAP.

WITH ADJUSTABLE FLANGE AND STRAIGHT COUPLING.

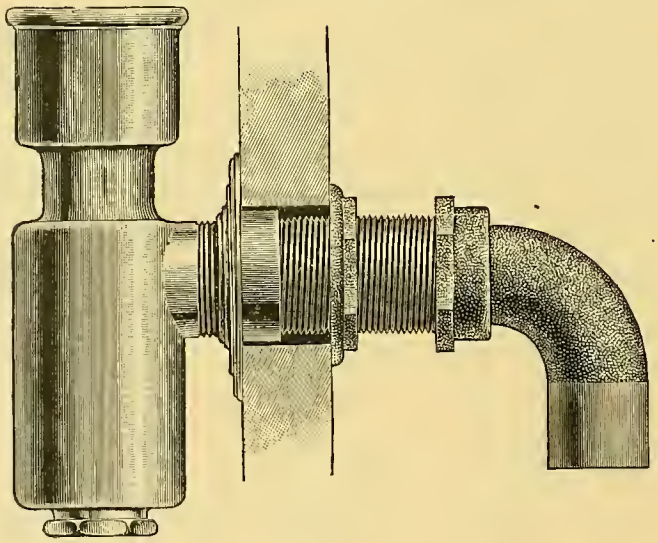


A–347.

Finished, each,	$3.75 Codder.
Nickel Plated, each,	$4.00 Coddy.

BRASS URINAL TRAP.

WITH ADJUSTABLE FLANGE, NUT AND BENT COUPLING.

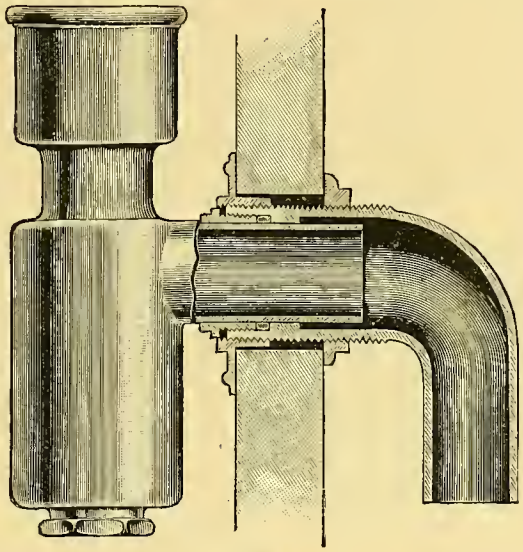


A–348.

Finished, each	$4.25 Codeine.
Nickel Plated, each,	$4.50 Cocqual.

WOLFF'S IMPROVED ADJUSTABLE URINAL TRAPS.

WITH BENT COUPLING.



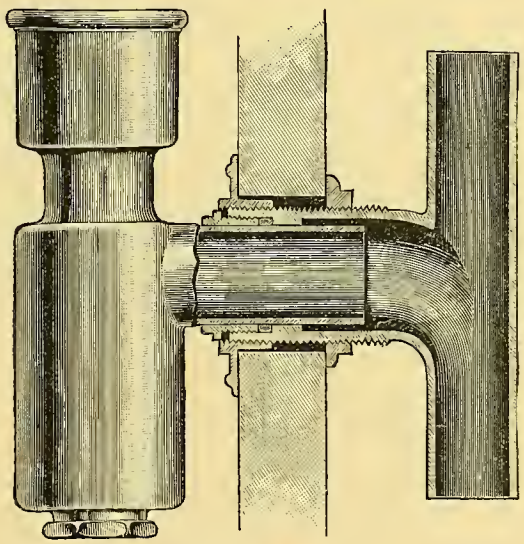
A–349.

Finished, each,	$5.00 Coercion.
Nickel Plated, each,	$5.25 Coextend.

This trap can be adjusted and all joints made tight from the front of Urinal Stall Back. Open space back of marble is not required.

WOLFF'S IMPROVED ADJUSTABLE URINAL TRAPS.

WITH "T" FOR VENT.



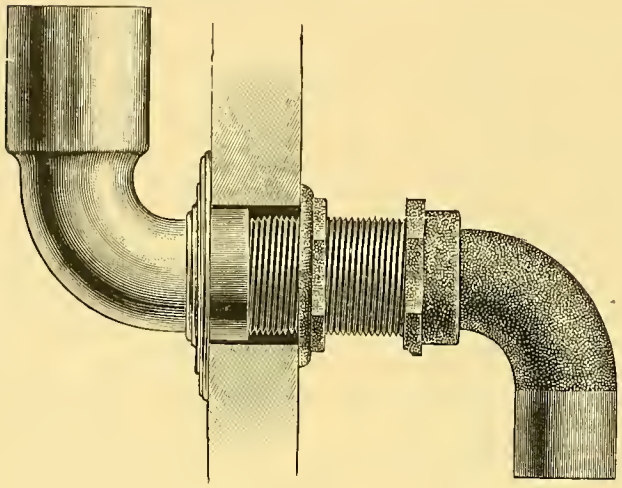
A–350.

Finished, each,	$5.50 Coempt.
Nickel Plated, each,	$5.75 Coeta.

This trap can be adjusted and all joints made tight from the front of Urinal Stall Back. Open space back of marble is not required.

URINAL OUTLET CONNECTIONS.

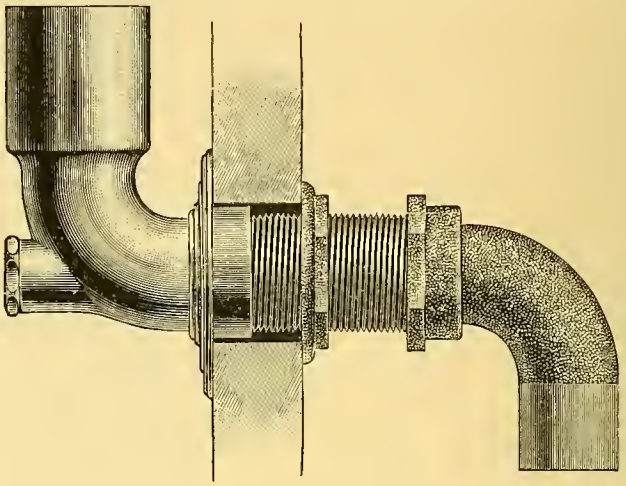
WITH ADJUSTABLE FLANGE.



A-351.

Finished, each, for 1¼ in. Lead Pipe,	$3 00 Cofferdam.
Nickel Plated, each, for 1¼ in. Lead Pipe,	$3 25 Cofferer.

WITH CLEAN-OUT AND ADJUSTABLE FLANGE.

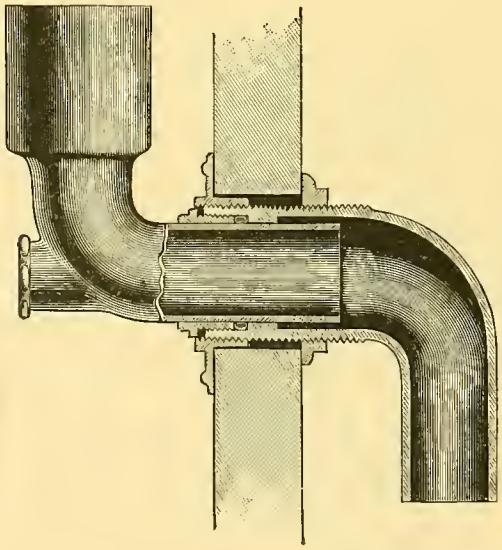


A-352.

Finished, each, ...	$3·25 Coffile.
Nickel Plated, each, ...	$3·50 Cofound.

WOLFF'S IMPROVED ADJUSTABLE URINAL OUTLET CONNECTIONS.

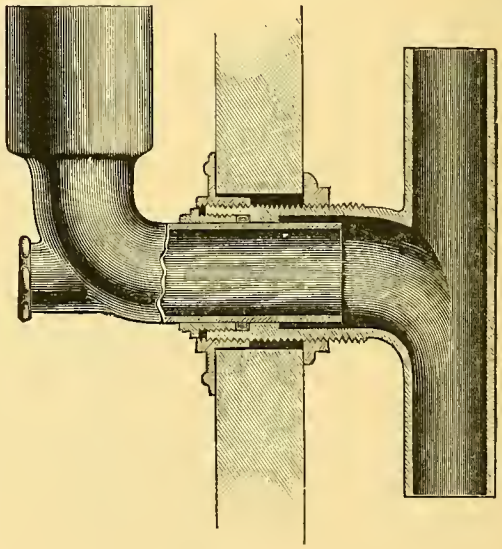
WITH BENT COUPLING.



A-353.

Finished, each, ...	$3·75 Cogman.
Nickel Plated, each, ...	$4·00 Cognati.

WITH "T" FOR VENT.

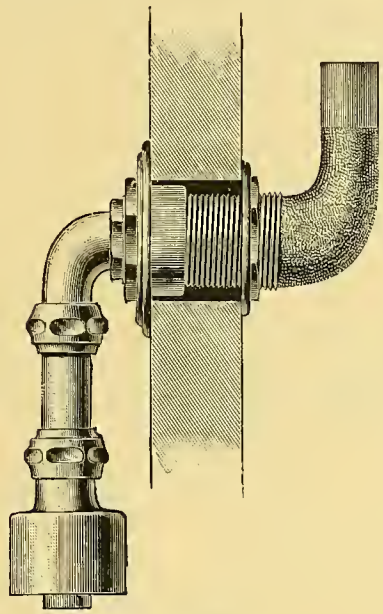


A-354.

Finished, each, ...	$4·25 Cognisee.
Nickel Plated, each, ...	$4·50 Cognition

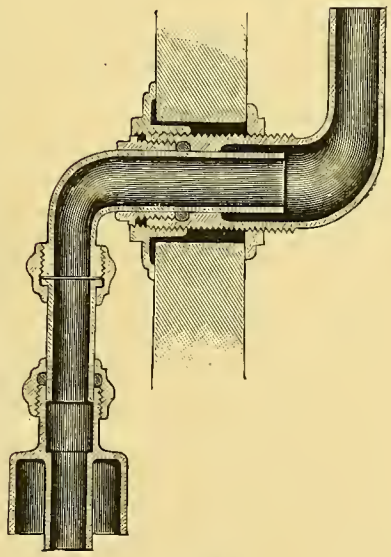
A-353 and A-354, Urinal Outlet Connections, can be adjusted and all joints made tight from the front of Urinal Stall Back. Open space back of marble is not required.

WOLFF'S IMPROVED ADJUSTABLE URINAL INLET CONNECTION.



A–355.

Finished, each,	$2.25 Cognovit.
Nickel Plated, each,	$2.50 Cogwheel.



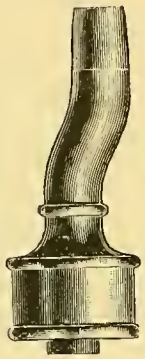
A–356.

Sectional View of Wolff's Improved Adjustable Urinal Inlet Connection.

Wolff's Improved Adjustable Inlet Connection, sectional view of which is shown in A–356, does not require open space back of stall, all joints can be made from the front, it obviates the necessity of removing backs to disconnect couplings, and when used in connection with our Improved Adjustable Urinal Traps A–349 or 350, or Adjustable Outlet Connections A–353 or 354, a Urinal can be easily replaced in a short space of time, as the construction of the adjustable arrangement is such that adjustment both vertical and horizontal is possible.

URINAL INLET CONNECTIONS.

FOR LEAD PIPE.

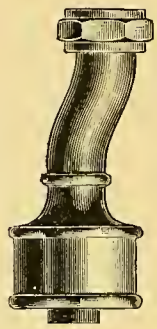


A—357.

Finished, each, ... $0.75 Coffee.

Nickel Plated, each, ... $1.00 Coffer.

WITH COUPLING FOR IRON PIPE.



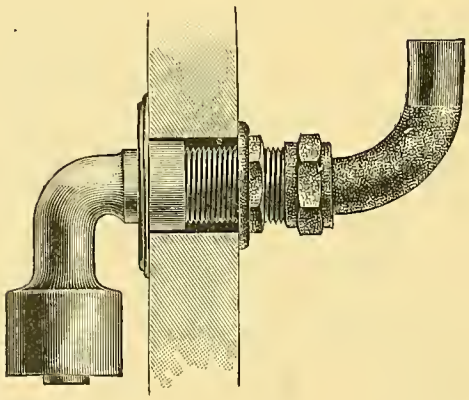
A—358.

Finished, each, ... $0.75 Coffin.

Nickel Plated, each, ... $1.00 Cog.

URINAL INLET CONNECTIONS FOR BEFORDSHIRE URINALS.

WITH FLANGE, NUT AND BENT COUPLING.



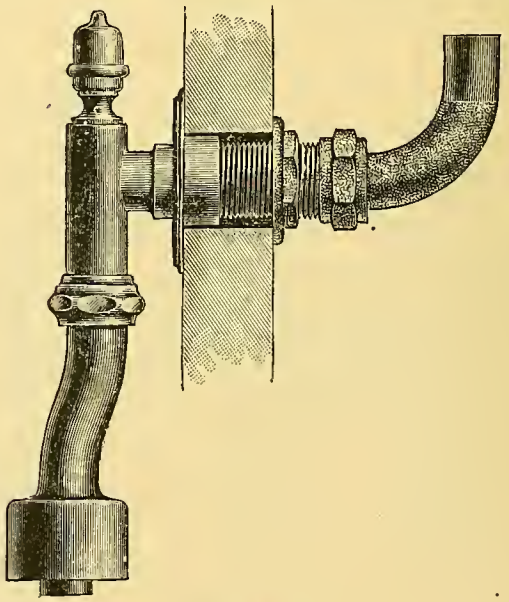
A—359.

Finished, Flange, Nut and Bent Coupling, as shown, each, ... $1.75 Cogency.

Nickel Plated, Flange, Nut and Bent Coupling, as shown, each, ... $2.00 Cogent.

If with Thimble instead of Nut and Bent Coupling, deduct . . . . . $0.50 Cognus.

WITH UNION, FLANGE, NUT AND BENT COUPLING.



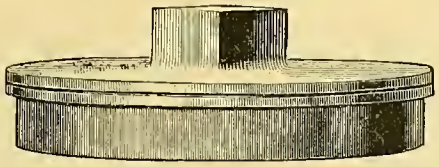
A—360.

Finished, Flange, Nut and Bent Coupling, each, ... $2.10 Cogneaw.

Nickel Plated, Flange, Nut and Bent Coupling, each, ... $2.35 Cognate.

If with Thimble instead of Nut and Bent Coupling, deduct . . . . . $0.50 Cognor.

TRAP SCREWS.

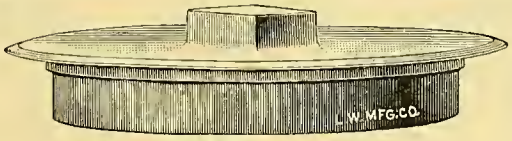


A—361.

Size,	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6 in.
Finished per doz.,	$1 80 Coh.	2.25 Coherald.	2.50 Cohesible.	3.00 Cohesion.	4.00 Cohobato	7.00 Coifn.	10.00 Coifed.	15.00 Coiffure.	18.00 Coiting.	20.00 Coity.	27.50 Cold.	42.50 Collier.
Nickel Plated, per doz.,						11.00 Coldfinch.	15.00 Coldish.	20.00 Coldly.	23.50 Coldness.	26.00 Colegatee.	36.50 Colemouse.	54.50 Coleperch.

7 and 8 inch made to order.

TRAP SCREWS WITH PROJECTING FLANGE, TO COVER FLOOR OPENING IN MARBLE OR TILE FLOORS.



A—362.

Size,	2	2½	3	3½	4	5 in.
Finished, per doz.,	$11.00 Colessee.	14.50 Colestaff.	20.00 Colleto.	23.50 Colewort.	26.00 Colicky.	35.50 Collapsion.
Nickel Plated, per doz.,	$15.50 Collarage.	19.50 Collared.	26.00 Collatable.	30.50 Collation.	35.00 Collative.	47.50 Collator.

6, 7 and 8 inch made to order.

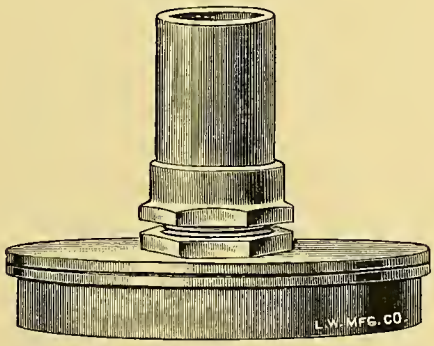
TRAP SCREWS WITH SOCKET, TO FINISH EVEN WITH FLOOR.

A—363.

Size,	2	2½	3	3½	4 in.
Finished, per doz.,	$7.00 Colland.	10.00 Colleague.	15.00 Collected.	18.00 Collector.	20.00 Collection.
Nickel Plated, per doz.,	$11.00 Collegian.	15.00 Collegial.	20.00 Collegiate.	23.50 Collet.	26.00 Collitic.

Made up to 8 inch.

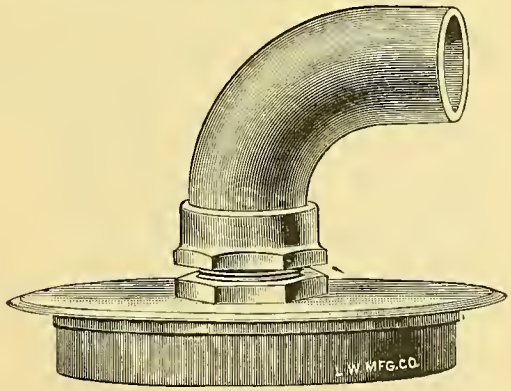
TAP SCREWS WITH 1 ½ INCH VENT COUPLING. STRAIGHT.



A—364.

Size,	3	3½	4	5 in.
Finished, per doz.,	$21.00 Colliery.	25.00 Colligate.	28.00 Colling.	35.50 Colliquant.
Nickel Plated, per doz.,	$28.50 Colliquate.	33.50 Collision.	38.00 Collocate.	50.50 Collodion.

TRAP SCREWS WITH PROJECTING FLANGE AND 1 ½ INCH BENT VENT COUPLING.



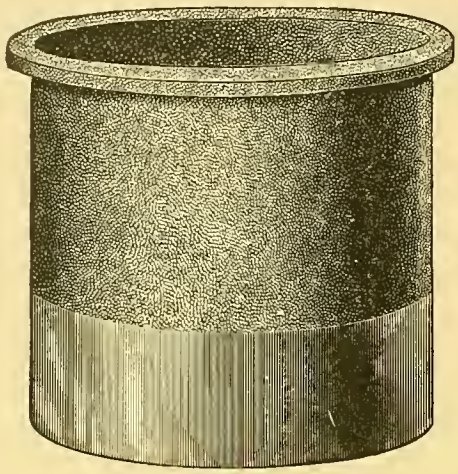
A—365.

Size,	3	3½	4	5 in.
Finished per doz.,	$28.00 Coyllbist.	32 50 Colocynth.	36.00 Colonel.	45.50 Colonelcy.
Nickel Plated, per doz.,	$36.50 Colonelship.	42.00 Colonial.	48.00 Colonade.	61.50 Colorable.

6, 7 and 8 inch made to order.

BRASS FERRULES.

FOR IRON PIPE.



A—366.

Size,	2	3	4	5	6 in.
Per doz., as shown,	$5.00	9.00	11.00	27.00	36.00
	Commerce.	Commit.	Commix.	Commode.	Commonty.

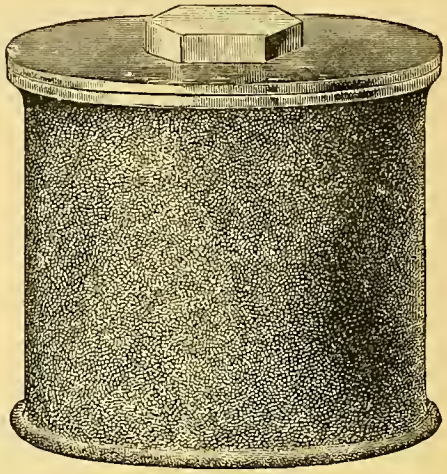
EXTRA HEAVY.

Size,	2	4 in.
Per doz.,	$9.00	22.00
	Comparable.	Comparative.

EXTRA LONG, EXTRA HEAVY.

Size, 2 in., Length, 4 in., per doz.,	$12.00 Compartner.
Size, 4 in., Length, 5 in., per doz.,	$25.00 Compasses.

FOR IRON PIPE WITH TRAP SCREW.



A—367.

Size,	2	3	4	5	6 in.
Per doz., as shown,	$10.00	20 00	30.00	54.00	72.00
	Comose.	Compact	Compacter.	Compages.	Companion.

EXTRA HEAVY.

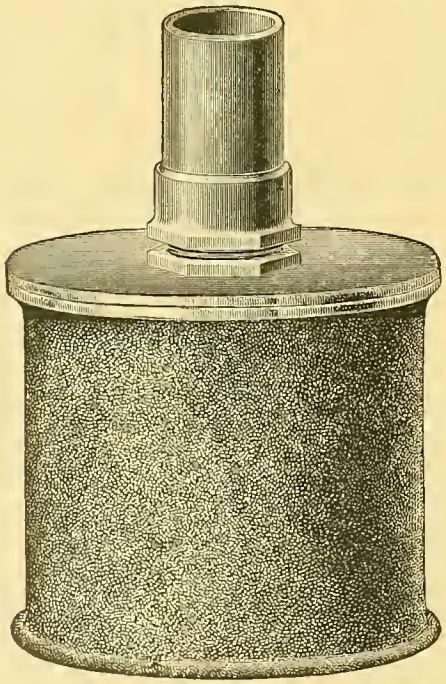
Size,	2	4 in.
Per doz.,	$14.00	41.00
	Comparer.	Comparison.

EXTRA LONG, EXTRA HEAVY.

Size, 2 in., Length, 4 in., per doz.,	$17.00 Compassing.
Size, 4 in., Length, 5 in., per doz.,	$44.00 Compassion.

BRASS FERRULES.

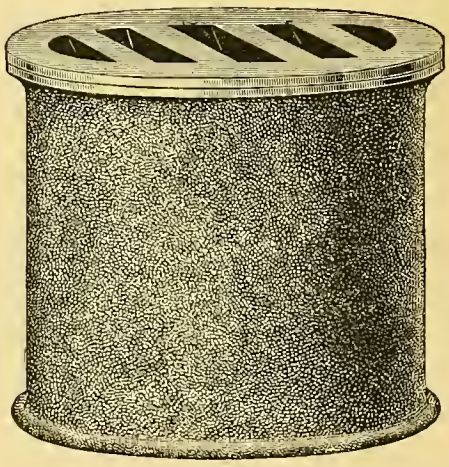
FOR IRON PIPE WITH 1½ INCH VENT COUPLING.



A—368.

Size,	3	4	5 in.
Per doz.,	$26.00	38.00	62.00
	Combinate.	Combing.	Combless.

FOR IRON PIPE WITH STRAINER.

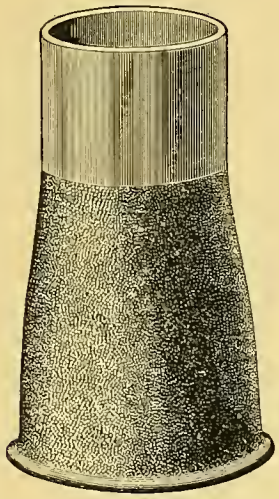


A—369.

Size,	2	3	4	5 in.
Per doz ,	$11.00	22.00	33.00	59.00
	Combolio.	Comeofi.	Comer.	Comicry.

BRASS FERRULES.

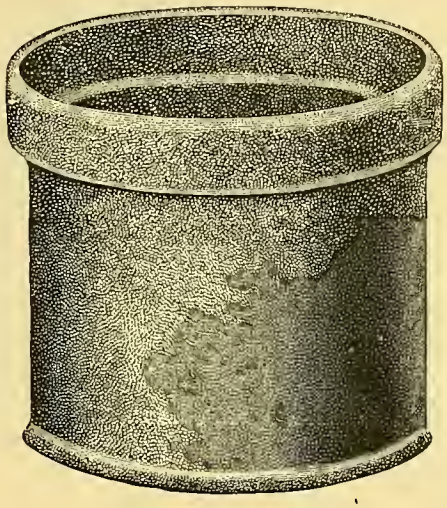
REDUCING.



A—370.

Size,	2 x 1½ in.
Per doz.,	$5.00 Compatible.

WITH HUB FOR LEAD TRAP.

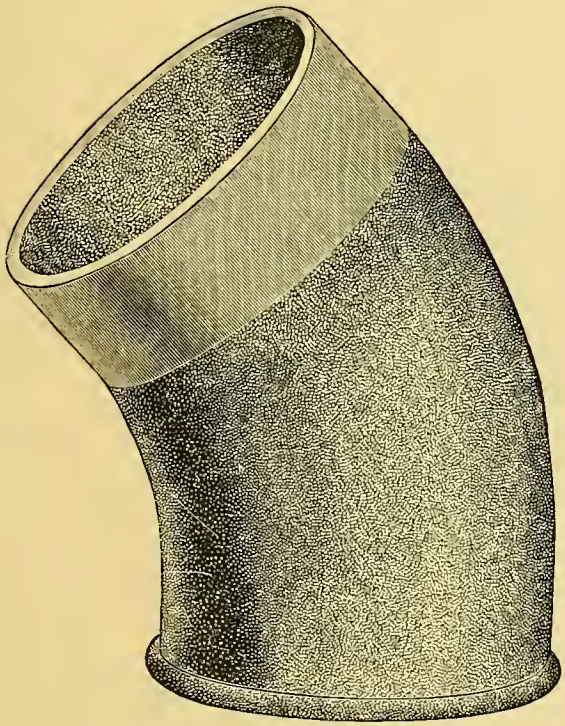


A—371.

Size,	2	4 in.
Per doz.,	$8.00 Commune.	16.00 Commute.

BRASS FERRULES.

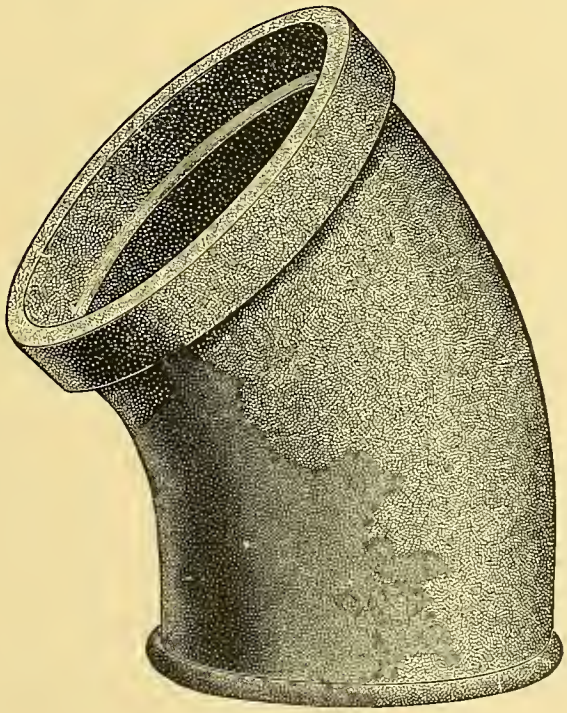
BENT, FOR IRON PIPE.



A—372.

Size,	2	4 in.
Per doz.,	$12.00 Compatriot.	24.00 Compel.

BENT, WITH HUB FOR LEAD TRAP.

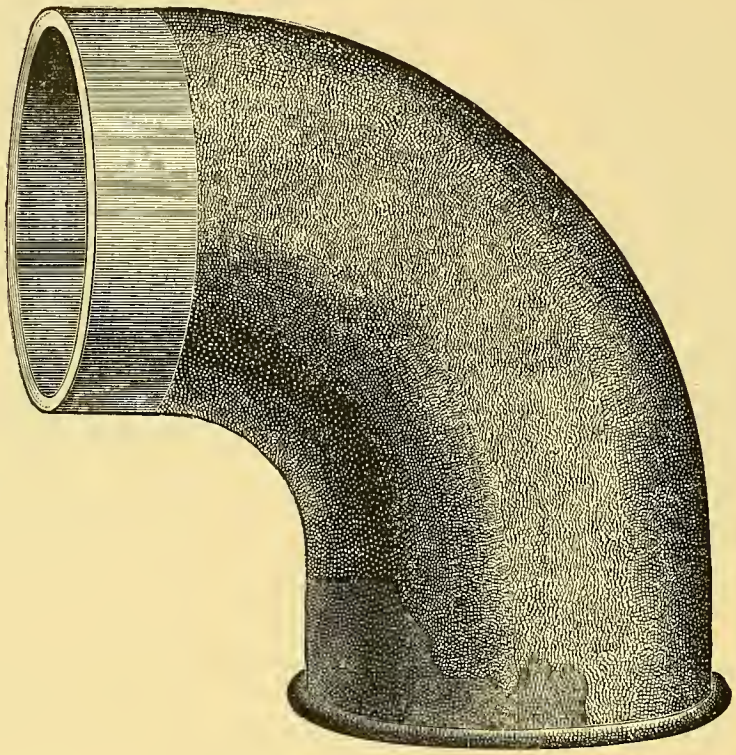


A—373.

Size,	2	4 in.
Per doz.,	$12.00 Company.	24.00 Comparate.

BRASS FERRULES.

QUARTER BEND, FOR IRON PIPE.



A—374.

Size,	2	4 in.
Per doz.,	$15.00 Compassion.	$27.00 Compiler.

WOLFF'S COMBINATION FERRULES.

A—375.

A—376.

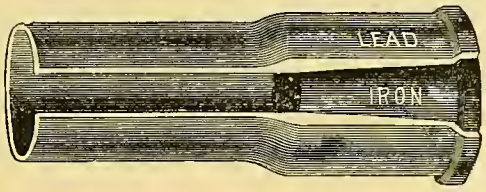
Size,	1½ x 2 in.	Size,	2	3	4 in.
Each,	$0.23 Compatient.	Each,	$0.18 Complane.	.25 Complete.	.35 Complexion.

These Ferrules are Cast Iron and are moulded with a Tin Casing of sufficient length to wipe the joint. They are well tinned after moulding, and have been pronounced by the trade a very satisfactory article.

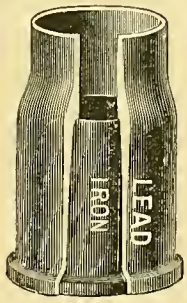
COMBINATION FERRULES.

LEAD AND IRON.

A—377.



A—378.



A—379.

REGULAR PATTERN.

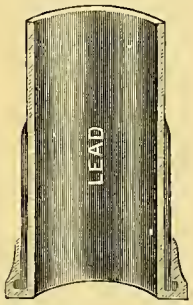
	4 in. long.	6 in. long.	8 in. long.	10 in. long.	12 in. long.
1½ x 2 in., each,	$0.23 Complexed.	.35 Complexly.	.45 Complise.	.50 Complicity.	.55 Comple.
2 in., each,	$0.18 Complat.	.30 Complux.	.40 Compli.	.45 Complict.	.50 Complin.
3 in., each,	$0.25 Compony.	.40 Complo.	.55 Compon.	70 Complous.	.75 Comportance.
4 in., each,	$0.35 Compor.	.55 Compot.	.70 Comporn.	.85 Compotan.	.90 Composed.

4 in., Extra Heavy Ferrules 5 in. long, each, ... $0.50

COMBINATION FERRULES.

LEAD AND IRON.

A—380.



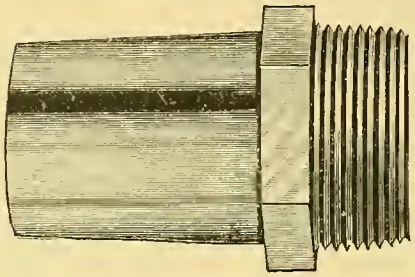
A—381.

A—382.

	4 in. long.	6 in. long.	8 in. long	10 in. long.	12 in. long.
1½ x 2 in., each,	$0.23 Compupil.	.35 Compup.	.45 Cumputer.	.50 Comper.	.55 Comure.
2 in., each	$0.18 Compra.	.30 Compo.	.40 Compota.	.45 Compoto.	.50 Compral.
3 in., each,	$0.25 Compre.	.40 Compri.	.55 Compro.	.70 Compti.	.75 Composure.
4 in., each,	$0.35 Comptible.	.55 Compromit.	.70 Compriest.	.85 Comprehend.	.90 Comprador.

SOLDERING NIPPLES.

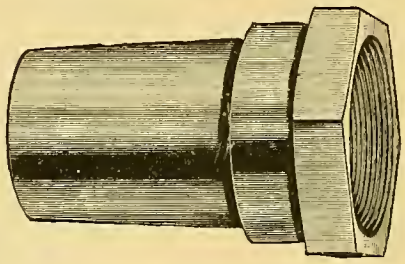
STRAIGHT, SCREWED OUTSIDE.



A—383.

Size,	¼	⅜	½	¾	1 in.
Per doz.,	$1.75 Combat.	2.25 Combatant.	2.50 Combater.	3.00 Combative.	5.00 Comber.
Size,	1¼	1½	2	2½	3 in.
Per doz.,	$7.50 Combine.	10.00 Combust.	14.00 Come.	20 00 Comedy.	28.00 Comely.

STRAIGHT, SCREWED INSIDE.

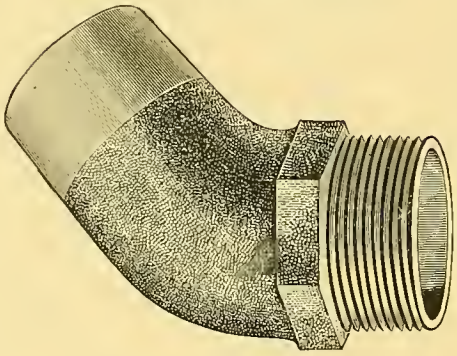


A—384.

Size,	¼	⅜	½	¾	1 in.
Per doz.,	$1.75 Corner.	2 25 Comet.	2.50 Cometic.	3.00 Comfit.	5.00 Comfort.
Size,	. . .		1¼	1½	2 in.
Per doz.,	. . .		$7.50 Comfrey.	10 00 Comic.	14 00 Comical.

NOTE—Extra Heavy Nipples made to order.

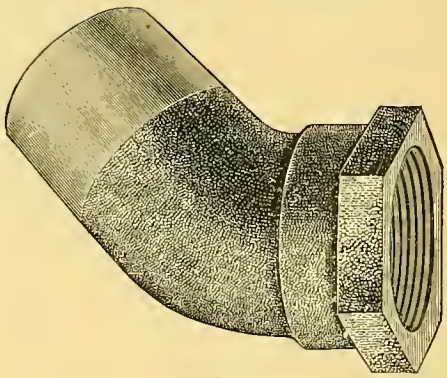
BENT, SCREWED OUTSIDE.



A—385.

Size,	¼	⅜	½	¾ in.
Per doz.,	$2.75 Colosseum.	3.25 Colossus.	4.50 Colstrum.	5.50 Colporter.
Size,	1	1¼	1½	2 in.
Per doz.,	$9.00 Colstaff.	12.00 Coltevil.	16 00 Colubrine.	22.00 Columba.

BENT, SCREWED INSIDE.

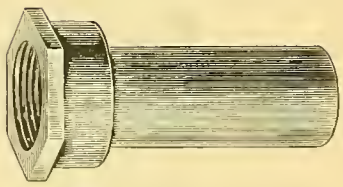


A—386.

Size,	¼	⅜	½	¾ in.
Per doz.,	$2.75 Columbic.	3.25 Columbine.	4.50 Columbite.	5.50 Columbo.
Size,	1	1¼	1½	2 in.
Per doz.,	$9.00 Columnar.	12.00 Coloration.	16.00 Colorblind.	22.00 Colored.

SOLDERING UNIONS.

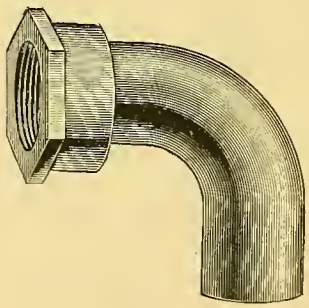
STRAIGHT.



A—387.

Size,	¼	⅜	½	¾ in.
Per doz.,	$2.25 Com.	2.75 Coma.	3.25 Comart.	4.00 Comate.
Size,	1	1¼	1½	2 in.
Per doz.,	$6.00 Comatose.	8.50 Comatous.	12.00 Comb.	18.00 Coombe.

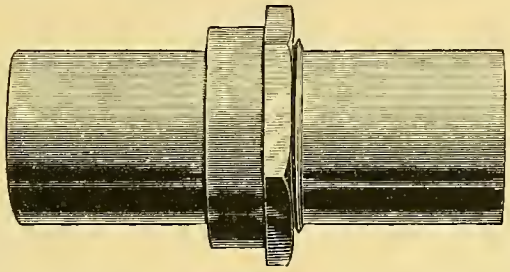
BENT.



A—388.

Size,	¼	⅜	½	¾ in.
Per doz.,	$3.00 Comingin.	3.75 Comitial.	4.75 Comma.	6.50 Command.
Size,	1	1¼	1½	2 in.
Per doz.,	$9.00 Commark.	11.50 Commence.	17.00 Commend.	24.00 Commere.

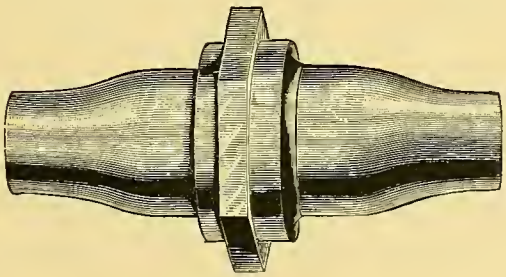
PLAIN COUPLINGS.



A—389.

Size,	¼	⅜	½	⅝	¾	1	1¼	1½	2 in.
Plain Face, per doz.,	$3.00 Collum.	3.50 Colly.	4.00 Cologne.	5.00 Colon.	6.50 Coloness.	10.00 Coloner.	15.00 Colonist.	20.00 Colonize.	30.00 Colony.
Ground Face, per doz.,	$4.00 Colophene.	4.50 Colophon.	5.00 Color.	6.50 Colorate.	8.00 Colorist.	12.00 Colossal.	18.00 Colt.	24.00 Colter.	36.00 Coulter.

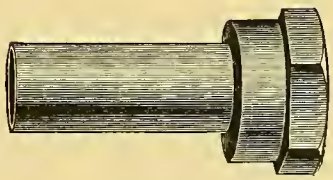
VALVE COUPLINGS.



A—390.

Size,	⅜	½	⅝	¾	1	1¼	1½	2 in.
Ground Face, for Lead Pipe, per doz.,	$9.00 Collapse.	10.00 Collar.	12.00 Collate.	15.00 Collect.	20.00 Collective.	30.00 College.	40.00 Collide.	60.00 Collie.

HEAVY SOLDERING UNIONS.

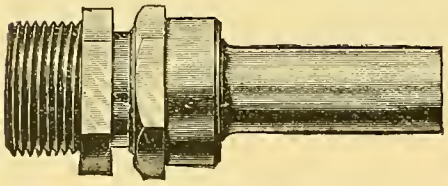


A—391.

Size,	⅜	½	¾	1	1¼	1½	2 in.
Per doz.,	$3.50 Commingle.	4.00 Comminute.	6.50 Committal.	10.00 Committee.	15.00 Common.	18.00 Commons.	26.00 Commorse.

BOILER COUPLINGS.

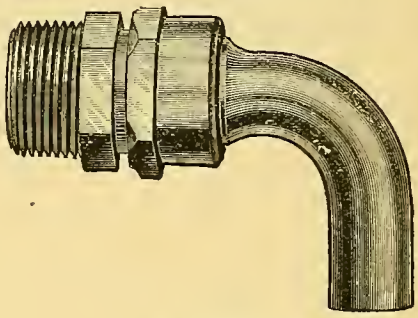
STRAIGHT, FOR IRON BOILER.



A—392.

Size,	½	¾	1 in.
Plain Face, per doz.,	$7.50 Cohort.	8.00 Coif.	11.00 Coigne.
Ground Face, per doz.,	$8.50 Coiny.	9.00 Coil.	12 50 Coin.

BENT, FOR IRON BOILER.



A—393.

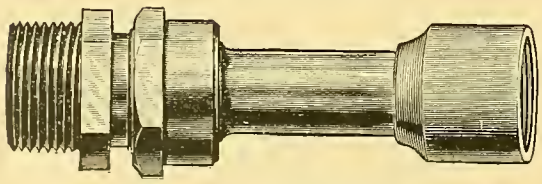
Size,	½	¾	1 in.
Plain Face, per doz.,	$8.50 Coinage.	9.00 Coincide.	12.00 Coiner.
Ground Face, per doz.,	$9.50 Coir.	10.00 Coistril.	13.50 Coit.

Plain, per set (three Bent, one Straight), ... $2.50 Coix.

Ground, per set (three Bent, one Straight), ... $2 75 Cojoin.

BOILER COUPLINGS.

STRAIGHT, FOR IRON BOILER, FOR IRON PIPE.

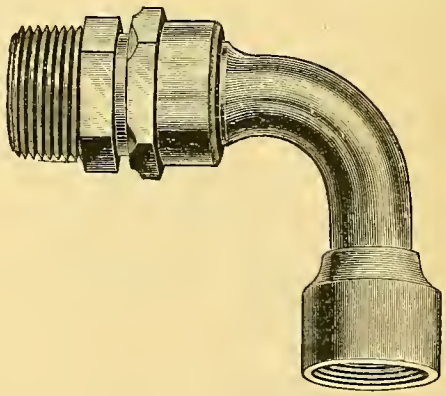


A—394.

FOR ¾ IN. IRON PIPE.

Size,	¾	1 in.
Plain Face, per doz.,	$12.50 Configure.	15 50 Confiner.
Ground Face, per doz.,	$13.50 Confirmer.	17 00 Confiscate.

BENT, FOR IRON BOILER, FOR IRON PIPE.



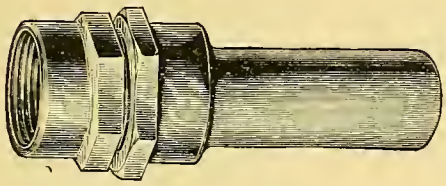
A—395.

FOR ¾ IN. IRON PIPE.

Size,	¾	1 in.
Plain Face, per doz.,	$13.50 Confiscator.	16.50 Confitent.
Ground Face, per doz.,	$14.50 Confixure.	18.00 Conflated.

WATER BACK COUPLINGS.

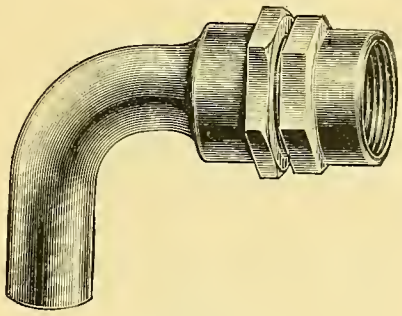
STRAIGHT.



A—396.

Size,	½	¾	1 in.
Plain Face per doz.,	$6.50 Conjuror.	7.00 Coke.	10.00 Cokernut
Ground Face, per doz.,	$7.50 Colander.	8.00 Colateon.	11.50 Colature.

BENT.



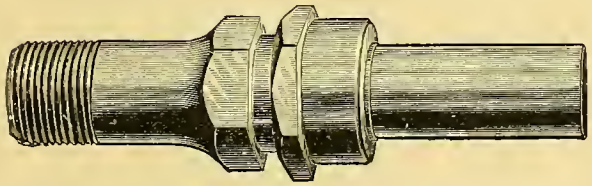
A—397.

Size,	½	¾	1 in.
Plain Face, per doz.,	$7.50 Cole.	8.00 Colessor.	11.00 Colet.
Ground Face, per doz.	$8.50 Collic.	9.00 Collical.	12 50 Collin.

WATER BACK COUPLINGS.

WITH LONG SPUDS.

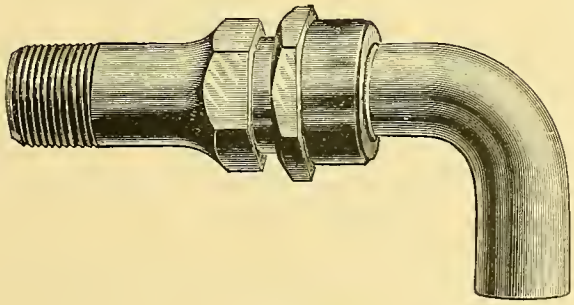
STRAIGHT.



A—398.

Size,	¾ in.
Ground Face, per doz.,	$10.00 Colitis.

BENT.

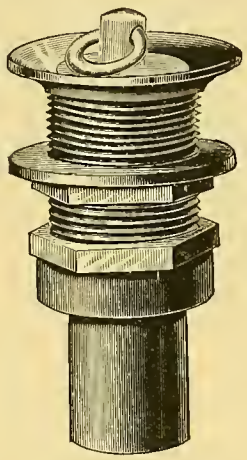


A—399.

Size,	¾ in.
Ground Face, per doz.,	$11.00 Coll.

BASIN PLUGS.

COMMON OVERFLOW.

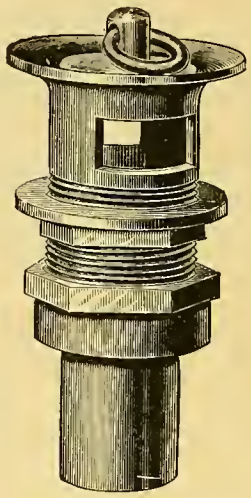


A—400.

Finished, per doz., ...	$8.00 Choral.
Nickel Plated, per doz., ...	$8.50 Chord.

BASIN PLUGS

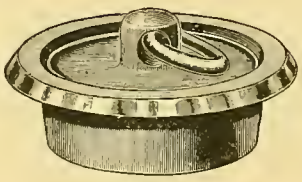
PATENT OVERFLOW.



A—401.

Finished, per doz., ...	$9.00 Chose.
Nickel Plated, per doz., ...	$9.50 Christian

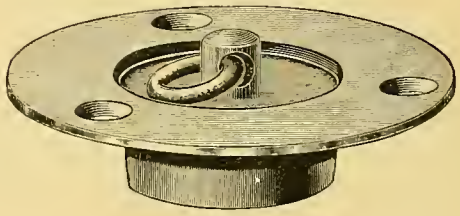
SINK OR BATH PLUGS.



A—402.

Size, ...	¾	1	1¼	1½ in.
Finished, per doz., .	$2.00 Chrone.	2.50 Chuck.	3.00 Chub.	4.00 Chubby.
Nickel Plated, per doz.,	$2.50 Church.	3.00 Churl.	3.50 Churn.	4.50 Chyle.
Size, ...	2	2½	3	4 in.
Finished, per doz., .	$7 00 Chuckle.	15.00 Chuff.	18 00 Chum.	36.00 Chump.
Nickel Plated, per doz.,	$8.00 Chyme.	17.00 Cider.	21.00 Cigar.	40 00 Cipher.

WASH TRAY PLUGS.

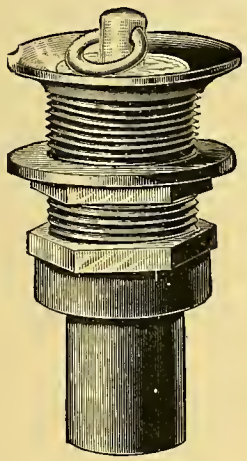


A—403.

Size, ...	1¼	1½	2 in.
Finished, per doz., .	$6.00 Circuit.	7.00 Circulat	10.00 Cite.
Nickel Plated, per doz., .	$7.50 Citren.	8.75 Citrex.	13 00 Citride.
Size, ...	2½	3	4 in.
Finished, per doz., .	$17.00 Citizen.	22.00 Citric.	44.00 Citron.
Nickel Plated, per doz.,	$20.00 Citrous.	25.00 Citrove.	

PLUGS WITH RUBBER STOPPERS.

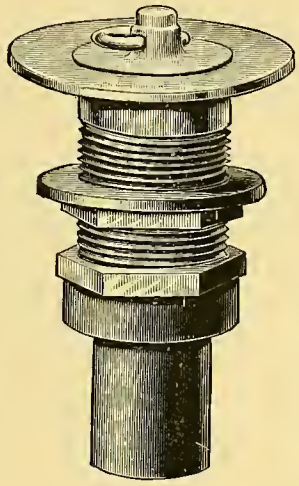
BASIN PLUG WITH RUBBER STOPPER. COMMON OVERFLOW.



A—404.

	Finished.	Nickel Plated.
1 in., per doz.,	$4.50 Cladis.	5.50 Clais.
1¼ in., per doz.,	$7.50 Clad.	9.00 Claim.

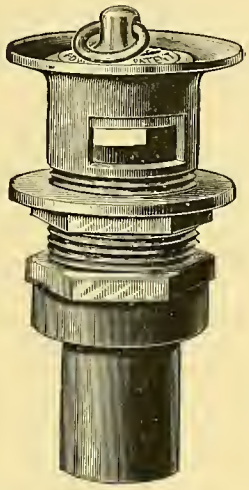
SLATE, SOAPSTONE OR MONARCH TRAY PLUG WITH RUBBER STOPPER.



A—405.

Size,	1	1¼	1½	2 in.
Finished, per doz.,	$8.00 Coarsely.	9.00 Coannex.	13.50 Coaster.	20.00 Coasting.
Nickel Plated, per doz.,	$9.00 Castline.	10.50 Coastwise.	15.00 Coatarmot.	22.00 Coatcard.

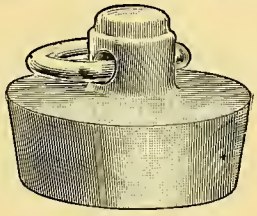
BASIN PLUG WITH RUBBER STOPPER. PATENT OVERFLOW.



A—406.

	Finished.	Nickel Plated.
1 in., per doz.,	$5.00 Clamis.	6.00 Clanor.
1½ in , per doz.,	$9.00 Clam.	10.50 Clan.

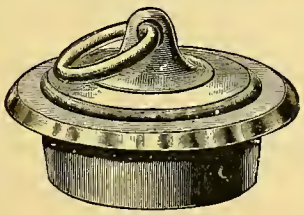
RUBBER STOPPERS WITH PLATED TIPS AND RINGS.



A—407.

Size,	⅞	1	1⅛	1¼	1½	2 in.
Price, per doz.,	$1.00 Clement.	1.00 Clergy.	1.00 Clerk.	1.25 Clever.	1.75 Clew.	2.50 Click.

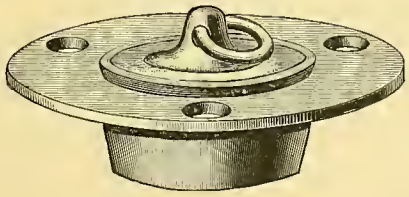
SINK OR BATH PLUG WITH RUBBER STOPPER.



A—408.

Size,	1	1¼	1½	2 in.
Finished per doz.,	$2.00 Class.	2.25 Clatter.	3.50 Claw.	5.00 Clay.
Nickel Plated, per doz.,	$2.50 Clean.	2.75 Cleanly.	4.00 Clear.	6.00 Clearer.

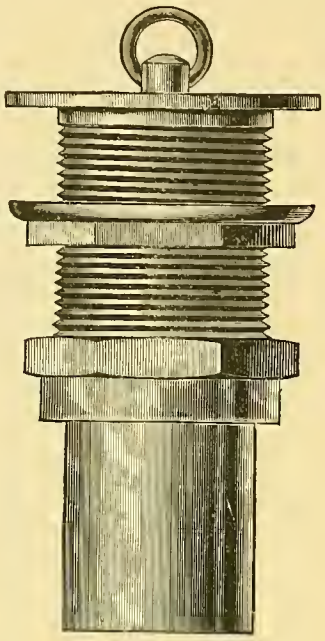
WASH TRAY PLUG WITH RUBBER STOPPER.



A—409.

Size,	1	1¼	1½	2 in.
Finished, per doz.,	$2.50 Clank.	3.25 Clap.	4.00 Clarify.	6.00 Clash.
Nickel Plated, per doz.,	$3.50 Clark.	4.25 Clare.	5.00 Claret.	7.50 Clavicle.

SLATE OR SOAPSTONE SINK PLUGS.

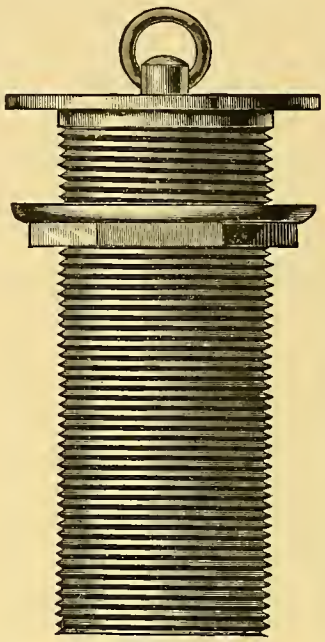


A–410.

Size,	1	1¼	1½	2 in.
Finished, per doz.,	$15.00 Climatic.	16.00 Climatize.	26.00 Climature.	40.00 Climax.
Nickel Plated, per doz.,	$17.00 Climb.	19.00 Climber.	29.00 Clime.	44.00 Clinch.

BATH OR SINK PLUGS.

FOR IRON PIPE WASTE.

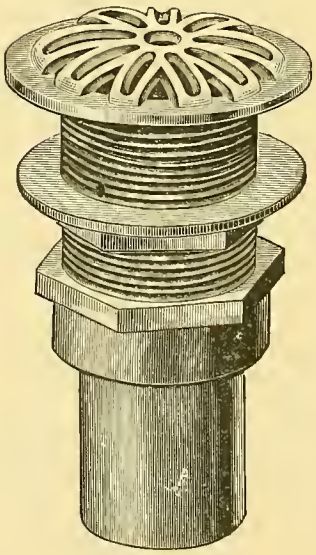


A–411.

Size,	1	1¼	1½	2 in.
Finished, per doz.,	$15.00 Clincher.	18.00 Cling.	24.00 Clinic.	32.00 Clink.
Nickel Plated, per doz.,	$16.00 Clinker.	20.00 Clinoid.	26.00 Clio.	34 00 Clip

GRATES.

FOR MONARCH PORCELAIN KITCHEN SINK



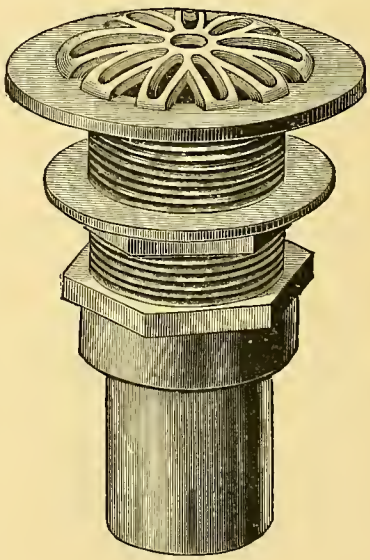
A–412.

Diameter of Flange, 3 $\frac{5}{16}$ inches.
Size of Coupling, 1 $\frac{3}{4}$ inches.

Finished, per doz.,	$48.00 Cloddy.
Nickel Plated, per doz.,	$51.00 Clodpate.

GRATES.

FOR PORCELAIN SLOP SINK.

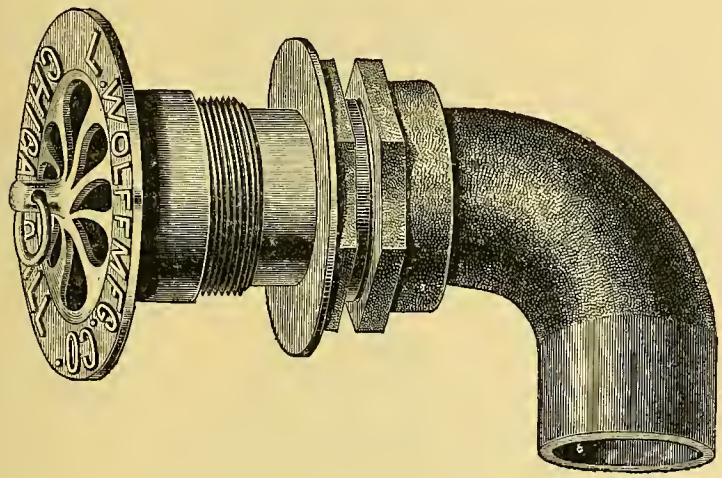


A–413.

Diameter of Flange, 3 $\frac{7}{8}$ inches.
Size of Coupling, 1 $\frac{3}{4}$ inches.

Finished, per doz.,	$50.00 Clog.
Nickel Plated, per doz.,	$53.00 Cloggy.

OVERFLOW GRATES.

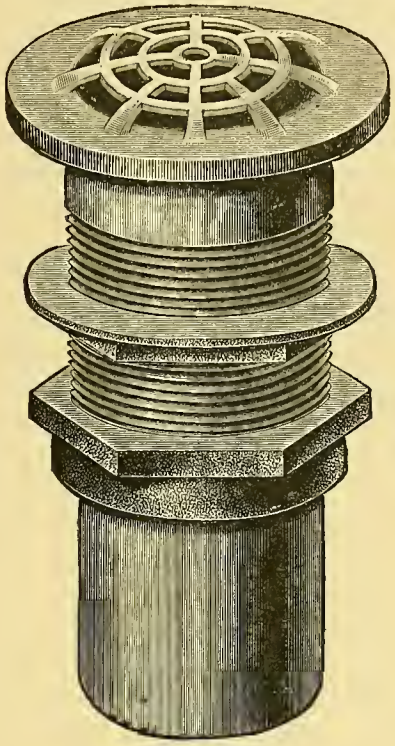


A–414.

Finished, per doz., ...	$24.00 Clowstral.
Nickel Plated, per doz., ...	$27.00 Clowstress.

GRATES.

FOR MONARCH PORCELAIN SLOP SINKS.



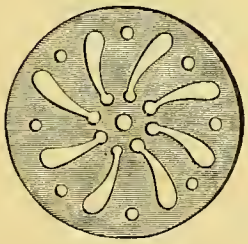
A–415.

Diameter of Flange, 4 inches.
Size of Coupling, 2¾ inches.

Nickel Plated, per doz., ...	$70.00 Clobur.

BRASS STRAINERS.

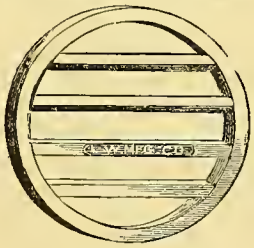
FANCY.



A–416.

Size, ...	2	2½	3	4 in.
Finished, per doz.,	$1.80 Clotter.	2.40 Clotty.	3.00 Cloud.	4.80 Cloudage.

HEAVY BAR STRAINERS.



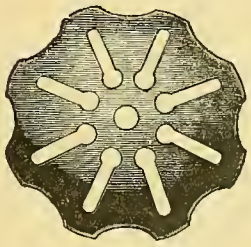
A–417.

Size, . . .	3	4	5	6 in.
Finished, per doz.,	$6.00 Cossell.	8.00 Closure	10.00 Clot.	14.00 Clopt.

ROUND.

A–418.

CONVEX.

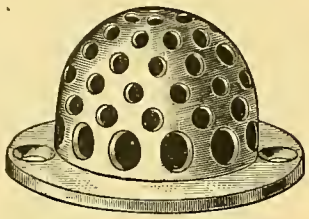


A–419.

Size, ...	¾	1	1¼	1½	2	2½	3	4	5	6 in.
Round (A–418) per doz.,	$0.60 Clout.	.85 Clovate.	1.20 Clove.	1.45 Clover.	1.80 Clown.	2.40 Clownage.	3.00 Clownish.	4.80 Cloy.	9.00 Club.	12.00 Clubbed.
Convex (A–419) per doz.,	$0.95 Cluck.	1.40 Clue.	1.80 Clump.	2.40 Clumpy.	3.00 Clumsy.	3.60 Clunch.	4.20 Clung.	6.00 Cluniac.	12.00 Cluster.	15.00 Clutch.

RAISED STRAINERS.

WITH FLANGE.

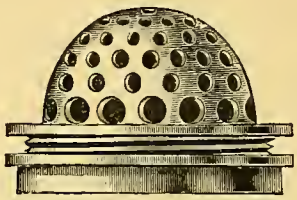


A—420.

Diameter of Flange,	2	3	3½	4 in.
Finished, per doz., .	$8.00 Coassume.	12.00 Coact.	18.00 Coactive.	24.00 Coadjust.
Nickel Plated, per doz.,	$10.00 Coatlink.	15.00 Coaxer.	22.00 Cobcoals.	30.00 Cobishop

NOTE—A-420 and A-421 can be furnished up to 6 inch.

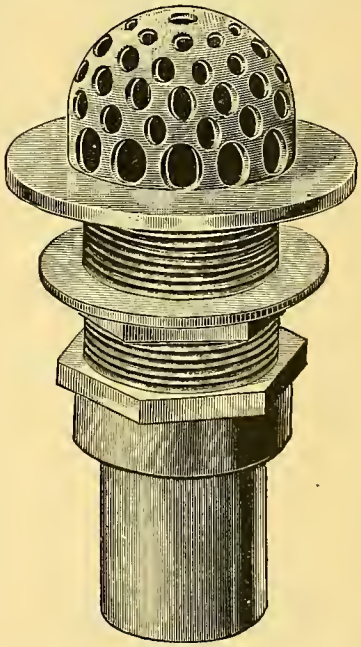
WITH TRAP SCREW.



A—421.

Size, ...	2	2½	3	4 in.
Finished, per doz., .	$15.00 Clutter.	21.00 Clysmic.	30.00 Clyster.	48.00 Coach.
Nickel Plated, per doz.,	$17.00 Cockal.	24.00 Cockatoo.	34.00 Cockbill.	54.00 Cockboat.

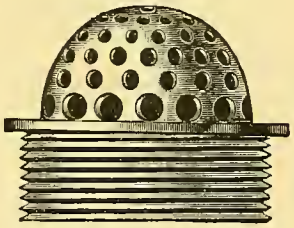
FOR URINAL TROUGH..



A—423.

Nickel Plated, each, ... $4.50 Cockloft.

RAISED STRAINER FOR IRON PIPE.

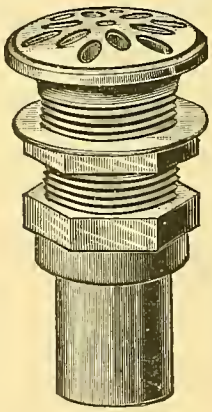


A—422.

Size, ...	2	2½	3	4 in.
Finished, per doz., .	$13.00 Cockcrow	18.00 Cocker.	26.00 Cocket.	44.00 Cockeye.
Nickel Plated, per doz.,	$15.00 Cockhorse.	21.00 Cockle.	30.00 Cockney.	50.00 Cockpit.

BASIN GRATE.

WITH DETACHABLE STRAINERS.

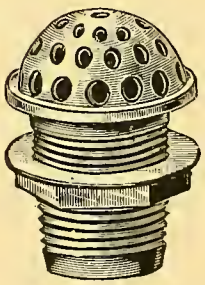


A—424.

Nickel Plated, each, . $1.00 Clonic.

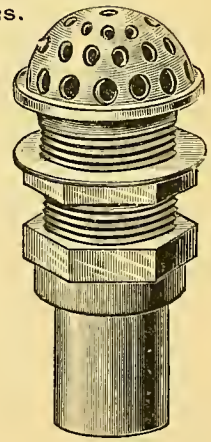
SAFE WASTE GRATES.

WITH DETACHABLE STRAINERS.



A—425.

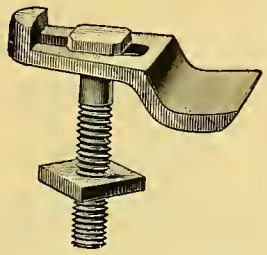
Nickel Plated, each, . $0.75 Clomb.



A—426.

Nickel Plated, each . $1.25 Cloom.

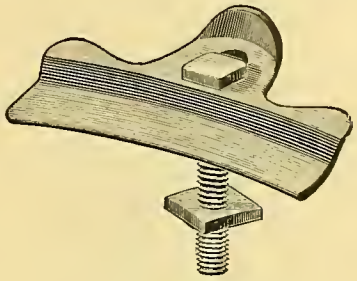
BASIN CLAMPS.



A–427.

Per doz., ... $1.25 Close.

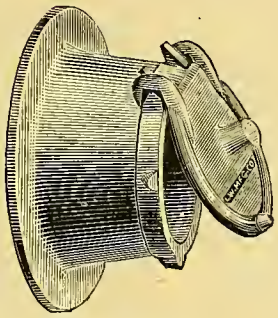
BASIN CLAMPS.



A–428.

Per doz., ... $2.00 Closh.

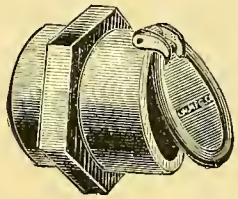
BRASS SEWER TRAPS.



A–429.

Size, . . .	4	6	8 in.
Each, . .	$3.50 Coagulate.	10.00 Coak.	18.00 Coal.

BRASS SAFE WASTE VALVE.

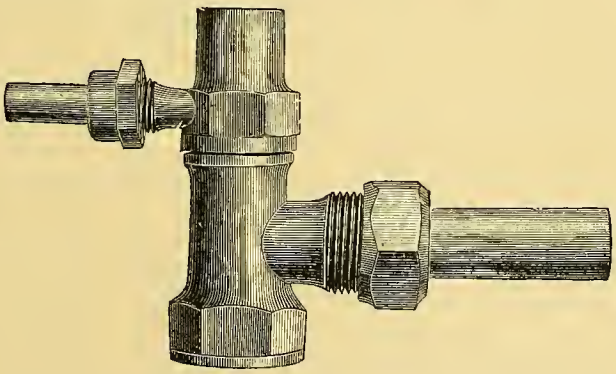


A–430.

Size, . .	¾	1	1¼	1½	2 in.
Finished, each,	$1.50 Coaid.	1.75 Coaret.	2.25 Coarse.	2.75 Coarsen.	3.50 Coast.

VACUUM VALVES.

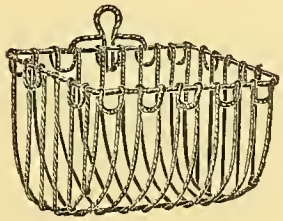
WITH COUPLING, FOR COPPER BOILERS.



A–431.

Each, ... $5.00 Comptness.

WIRE SPONGE HOLDER.

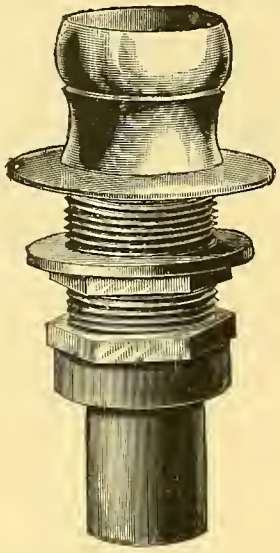


A–432.

Number, ...	1	2	3 in.
Each, ...	$0.50 Coat.	.75 Coatee.	1.00 Coati.

WASTE AND WASHER.

WITH LOCKNUT AND COUPLING.

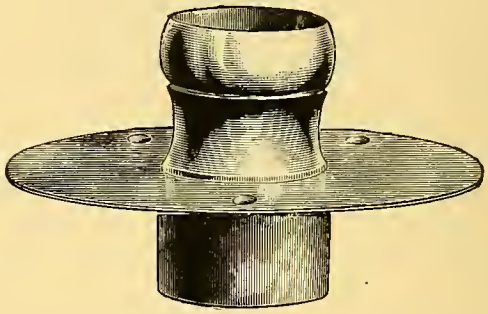


A—433.

Size,	1¼	½ in.
Finished, per doz.,	$30.00 Coachbox.	40.00 Coachel.

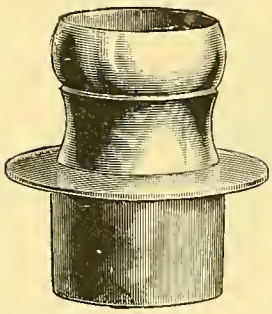
WASH TRAY WASTE

AND WASHER.



A—434.

Size,	1¼	1½	2 in.
Finished, per doz.,	$10.00 Coachman.	17.00 Coaction.	21.00 Coamings.



A—435.

BATH WASTE AND WASHER.

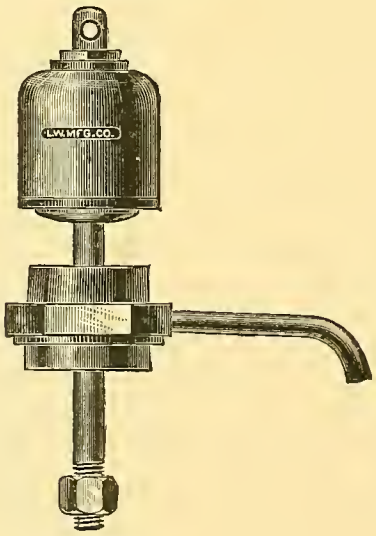
Size,	1	1¼	1½	2	2½	3	4 in.
Finished, per doz.,	$8.00 Coagment.	9.00 Coalblack	12.00 Coalery.	15.00 Coalfield.	24.00 Coalfish	30.00 Coalfitter.	60.00 Coalition.
Nickel Plated, per doz.,	$10.00 Coally.	11.00 Coalmeter.	14.00 Coalmouse.	18.00 Coalpasser.	27.00 Coalpit.	34.00 Coalplant.	65.00 Coalship.

WITH STANDING PIPE.

Size,	1¼	1½ in.
Finished, per doz.,	$36.00 Coalstone.	42.00 Coaltar.
Nickel Plated, per doz.,	$40.00 Coalwork.	46.00 Coaly.

CISTERN VALVE.

NEW PATTERN.

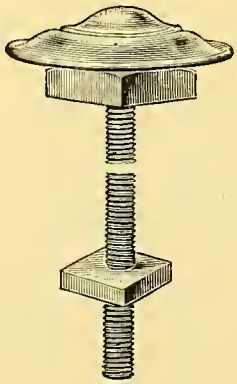


A—436.

With Air Tube, per doz.,	$26.00 Chimney.
Without Air Tube, per doz.,	$25.00 China.

CAP.

TO COVER COCK HOLE.

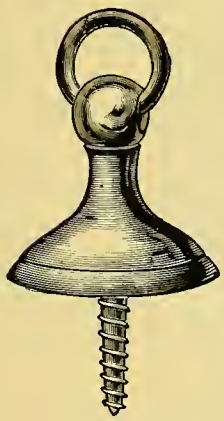


A—437.

Finished, per doz.,	$3.50 Cobby.
Nickel Plated, per doz.,	$4.50 Cobeal.

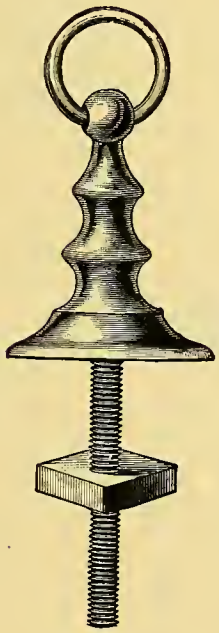
CHAIN STAYS.

No. 0



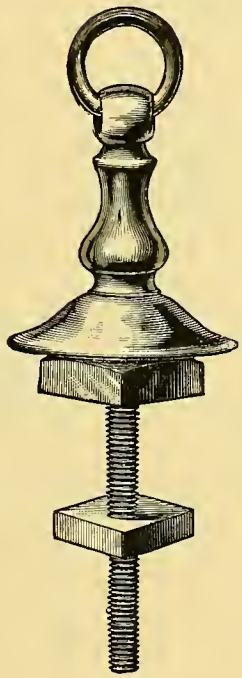
A—438.

No. 2.



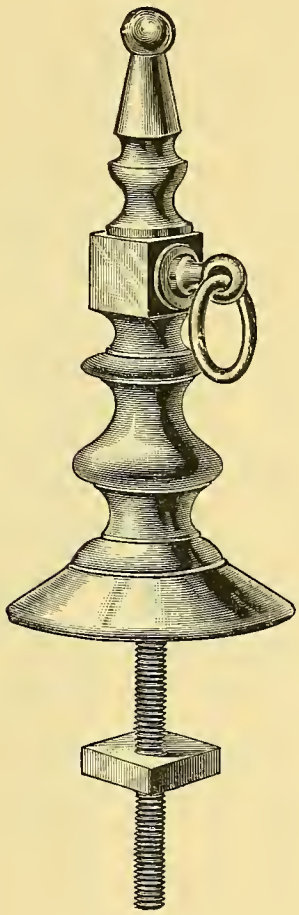
A—439.

No. 3.



A—440.

No. 4.

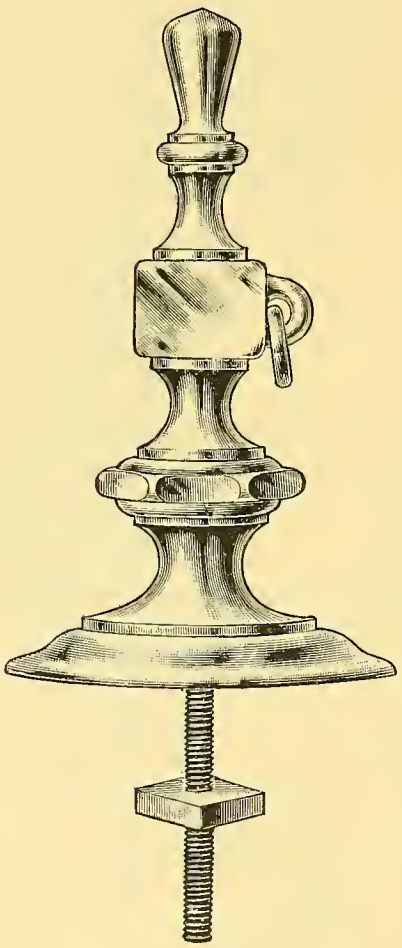


A—441

Number,	0	2	3	4
Finished, per doz.,	$2.00 Cobalt.	3 00 Cobaltic.	3 50 Cobbing.	7.00 Cobbie.
Nickel Plated, per doz.,	$2.50 Cobnut.	3.75 Coboose.	4 25 Cobstone.	8.00 Cobswan

CHAIN STAYS.

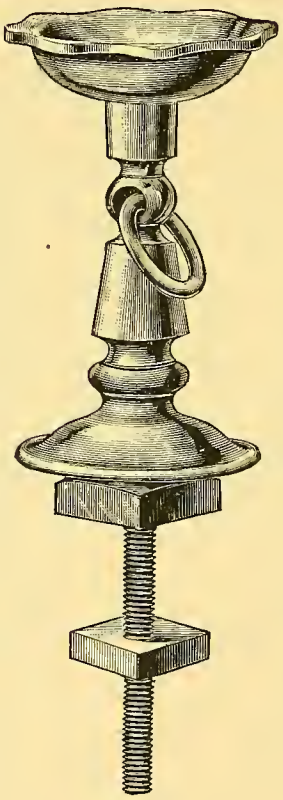
No. 5.



A–442.

No. 6.

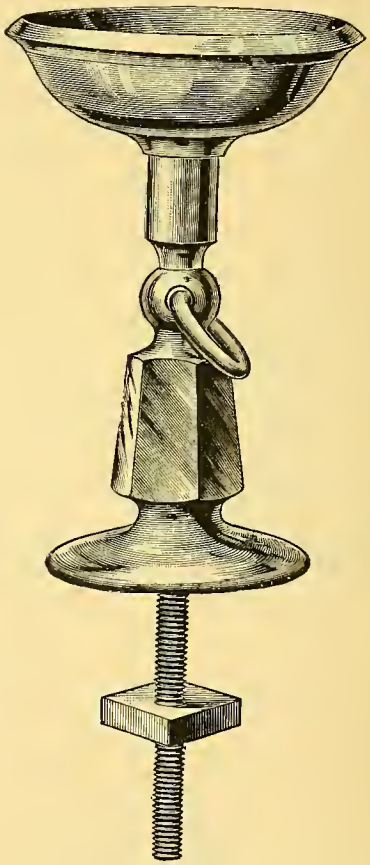
WITH JEWEL CUP.



A–443.

No. 7.

WITH JEWEL CUP.



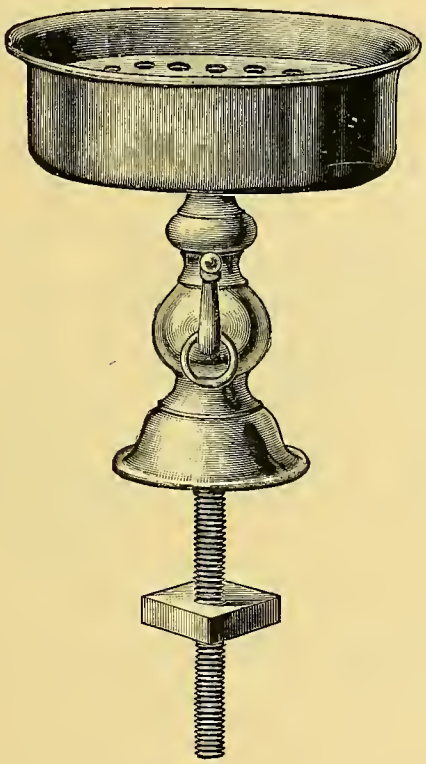
A–444.

Number,	5	6	7
Finished, per doz.,	$8.00 Cobbler.	8.00 Cobweb.	10.00 Coca.
Nickel Plated, per doz.,	$9.00 Cobwall.	9.00 Cocagne.	12.00 Coccolite.

CHAIN STAYS.

No. 9.

WITH OVAL SOAP CUP WITH STRAINER.

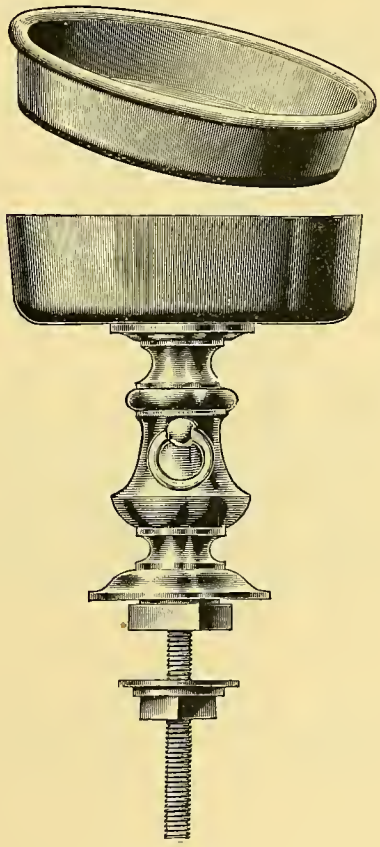


A–445.

Nickel Plated, with Gold Lined Soap Cup, each, $2.00
Cocyx.

No. 11.

WITH REMOVABLE OVAL SOAP CUP.



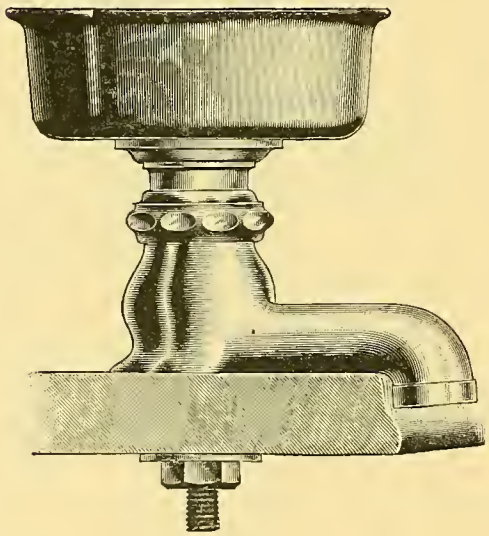
A–446.

Nickel Plated, with Gold Lined Soap Cup, each, $2.75
Cocus.

SOAP CUPS.

OVAL.

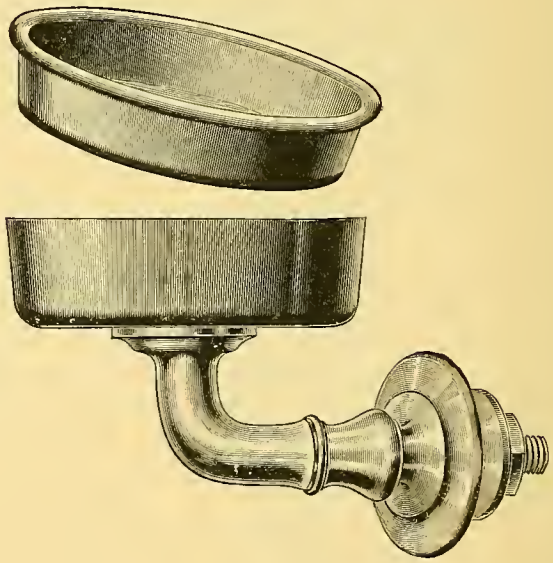
WITH UNION AND LARGE WASTE TUBE.



A—447.

Nickel Plated, with Gold Lined Soap Cup, each, $3.00
Cobiron.

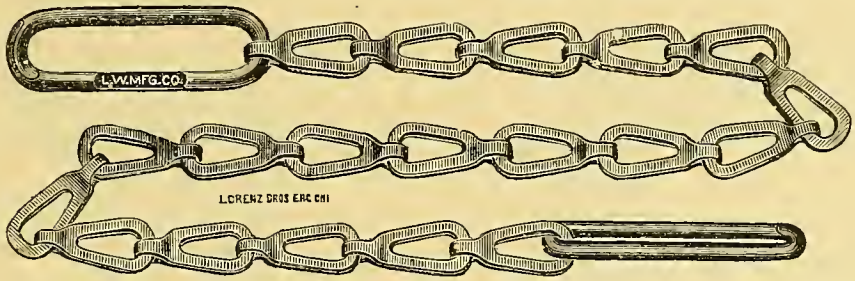
WITH REMOVABLE SOAP CUP.



A—448.

Nickel Plated, with Gold Lined Soap Cup, each, $2.75
Cobloaf.

BASIN, BATH AND WASH TRAY CHAINS AND SNAPS.



A—449.

Number,	00 Brass.	12 Nickel Plated.
00 Basin Safety Chains and Snaps, per doz.,	$0.80 Cockade.	1.25 Cocoon
1 Bath Safety Chains and Snaps, per doz.,	$1.85 Cocktible.	2.60 Coction
12 Wash Tray Single Chains and Snaps, per doz.,	$1.20 Cod.	1.90 Coddle

Basin Chains, 16 inches long. Bath Chains, 27 inches long. Wash Tray Chains, 21 inches long.

CHAIN.

No. 17.
SINGLE.

A—450.

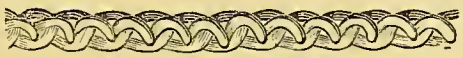
Number,	17	16
Per Package, of 12 yards, Brass,	$1.10 Code.	1.25 Codeine.
Per Package of 12 yards, Plated,	$1.80 Codetta.	2.10 Codex.

No. 14.
SINGLE.

A—451.

Per Package of 12 yards, Brass,	$1.70 Codfish.
Per Package of 12 yards, Plated,	$2.85 Codger.

No. 17.
DOUBLE, USUALLY FOR BASIN PLUGS.



A—452.

Per Package of 12 yards, Brass,	$1.95 Codical.
Per Package of 12 yards, Plated,	$2.90 Codicil.

No. 15.
DOUBLE.

A—453.

Number,	14	15
Per Package of 12 yards, Brass,	$3.00 Codify.	2.55 Codilla.
Per Package of 12 yards, Plated,	$4.50 Codille.	3.75 Codist.

No. 00.
SAFETY.

A—454.

No. 1.
SAFETY.

A—455.

Number,	00	0	1	2	3
Per Package of 12 yards, Brass,	$2.25 Codlin.	2.50 Coehorn.	3.12 Cecliac.	4.68 Coerce.	6.36 Coercive.
Per Package of 12 yards, Plated,	$3.00 Coeval.	3.25 Coevous.	4.08 Co-exist.	5.75 Co-expand.	8.00 Coff.

HYDRANT HANDLES.

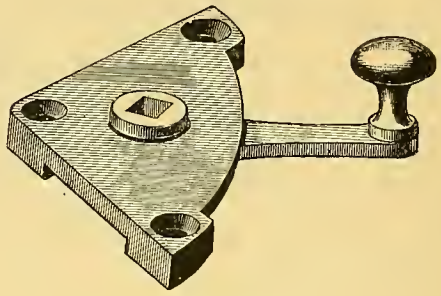
FOR COMPRESSION COCKS

A—456.

Brass, per doz., ... $5.00 Compare.

Malleable Iron. per lb., ... $0.15 Compart.

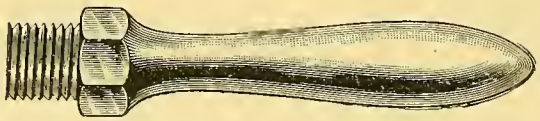
TRIANGULAR GUIDE.



A—457.

Per doz., ... $8.00 Compend.

ROD HANDLE.

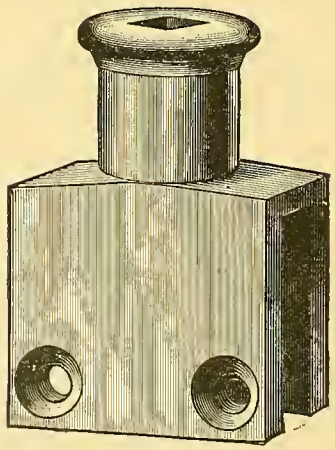


A—458.

Malleable Iron, per doz., ... $2.00 Coachbox.

Brass, per doz., ... $6.00 Coachee.

HYDRANT CLAMPS.



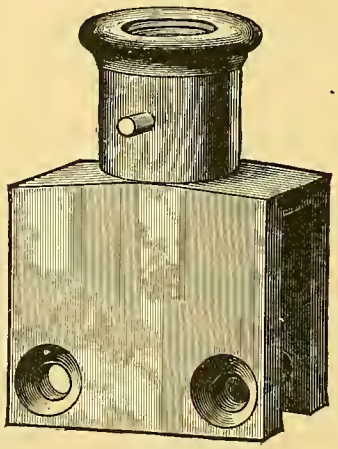
A—459.

Brass, ½ and ⅝ inch, per doz., . . . $2.50 Compete.

Brass, ¾ and 1 inch, per doz., ... $3.50 Competent.

Malleable Iron, per lb., ... $0.15 Competitor.

TAPPED FOR IRON PIPE.



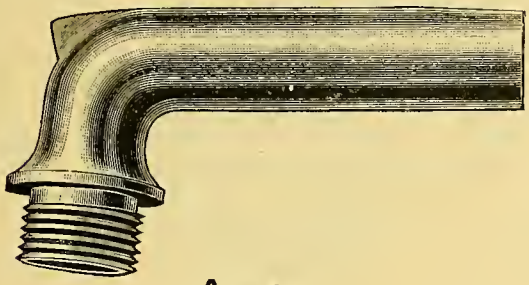
A—460.

Malleable Iron, Tapped for ⅜ in. Pipe, per lb., $0.18 Compilator.

Malleable Iron, Tapped for ½ in. Pipe, per lb., $0.20 Compile.

HYDRANT NOZZLES.

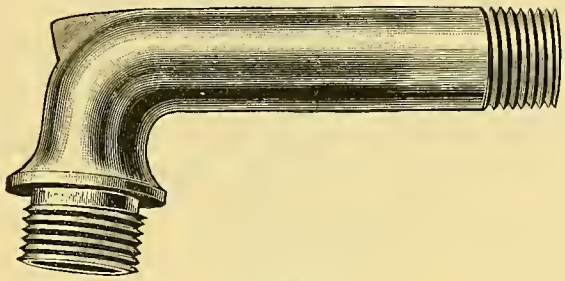
FOR LEAD PIPE, WITHOUT FLANGE.



A—461.

Size,	½	¾	1 in.
Per doz.,	$6.00 Compone.	7.50 Compose.	9.00 Composer.

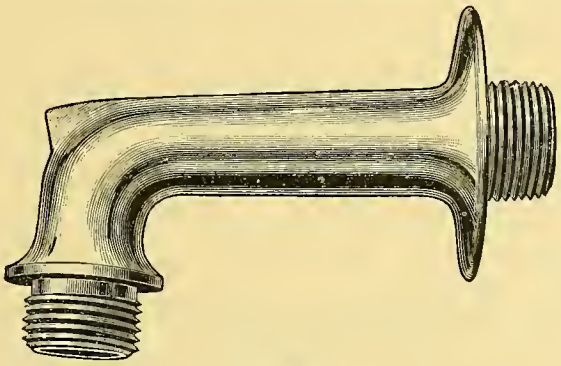
FOR IRON PIPE, WITHOUT FLANGE.



A—462.

Size,	½	¾	1 in.
Per doz.,	$7.00 Comprise.	8.50 Compt.	10.00 Comptly.

FOR IRON PIPE, WITH FLANGE.



A—463.

Size,	½	¾	1 in.
Per doz.,	$8.00 Compound.	9.50 Compress.	11.00 Comprint.

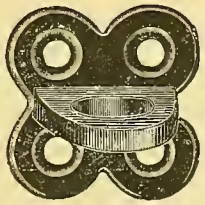
HYDRANT SOCKETS.

A—464.

Brass, per doz.,	$2.00 Compass.
Malleable Iron, per lb.,	$0.15 Compeer.

ROD RESTS.

FOR 3/8 INCH ROD.

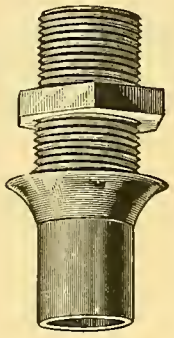


A—465.

Cast Iron, per doz.,	$0.96 Compensate.

STREET WASHER SCREWS.

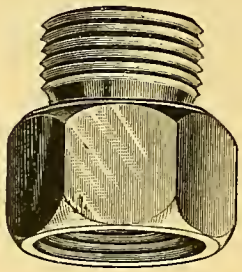
SHORT, FOR LEAD PIPE.



A—466.

Size,	½	¾	1 in.
Short, per doz.,	$4.50 Complain.	5.00 Complex.	6.00 Complaint.
Long, per doz.,	$5.50 Complicate.	6.00 Complice.	8.50 Complier.

SHORT, FOR IRON PIPE.

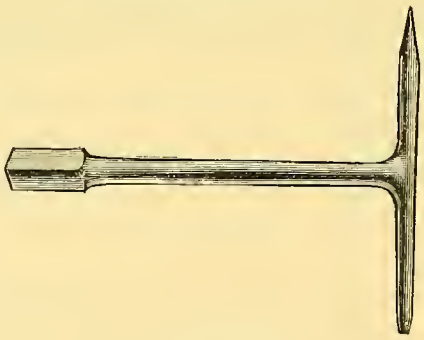


A—467.

Size,	½	¾	1 in.
Short, per doz.,	$5.00 Compliment.	6.00 Compline.	7.50 Complish.
Long, per doz.,	$6.00 Complore.	7.00 Complot.	10.00 Comply.

STREET WASHER KEYS.

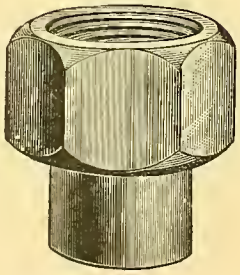
MALLEABLE IRON.



A—468.

Price, per lb., ... $0.15 Combiner.

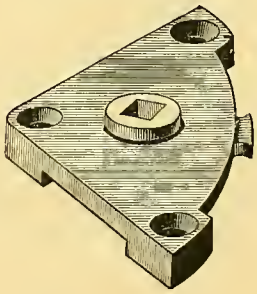
GOOSE NECK SCREW.



A—469.

Size,	½ x ¾ in.	¾ x ¾ in.
Per doz.,	$5.00 Commatic.	$6.50 Comicry.

STREET WASHER CHECK AND GUIDE.



A—470.

Brass, per doz., ... $3.00 Complacent.

SHAMPOO SPRINKLER.

PLAIN.

A—471.

Finished, per doz.,	$8.00	Conacre.
Nickel Plated, per doz.,	$10.00	Conation.

SHAMPOO SPRINKLER.

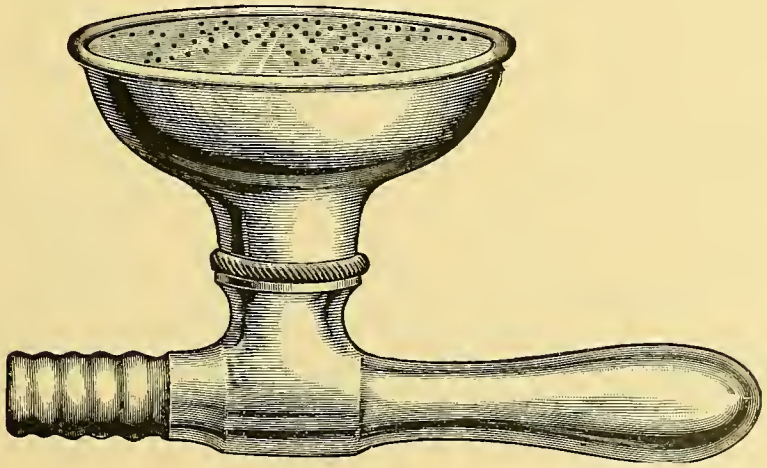
WITH RUBBER RING.

A—472.

Finished, per doz.,	$22.00	Comedian.
Nickel Plated, per doz.,	$24.00	Comliness.

SHAMPOO SPRINKLER.

WITH HANDLE.

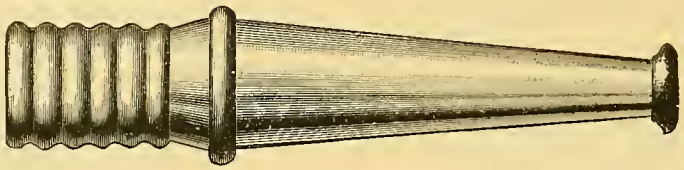


A—473.

Finished, per doz.,	$13 00	Conatus.
Nickel Plated, per doz.,	$15.00	Concave.

HOSE PIPES.

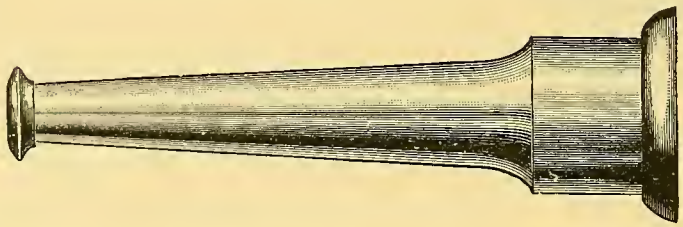
TO TIE ON.



A—474.

Size,	¾	1	1¼ in.
To Tie on Hose, per doz.,	$3.50 Conceptive.	4.00 Conceptual.	6.40 Concern.

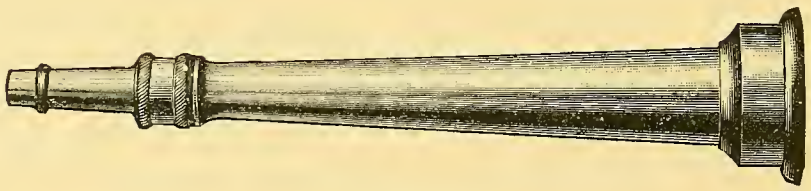
WITHOUT SCREW TIP.



A—475.

Size	¾	1	1¼	1½	2	2½ in.
Per doz.,	$3.50 Concert.	4.00 Concession.	6.40 Concessive.	15.00 Concetto.	21.50 Conch.	28.50 Concha.

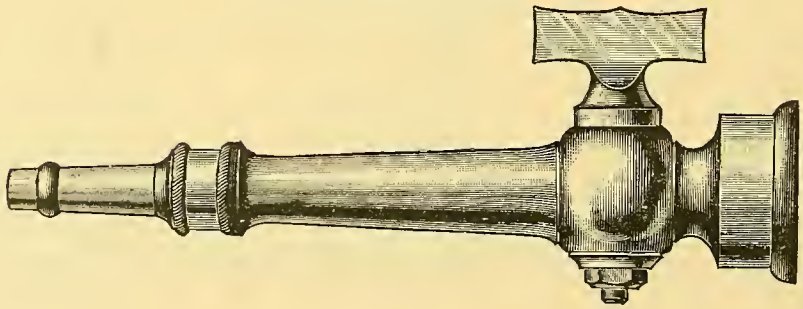
WITH SCREW TIP.



A—476.

Size,	¾	¾	1	1¼	1½	2	2½ in.
Length,	8	12	9	17	20	20	24 in.
Per doz.,	$8.00 Conchifer.	10.00 Conchite.	10.50 Conchoid.	28.00 Conciator	36 00 Concierge.	50.00 Conciliar.	100.00 Conciliate.

COCK, LARGE END.

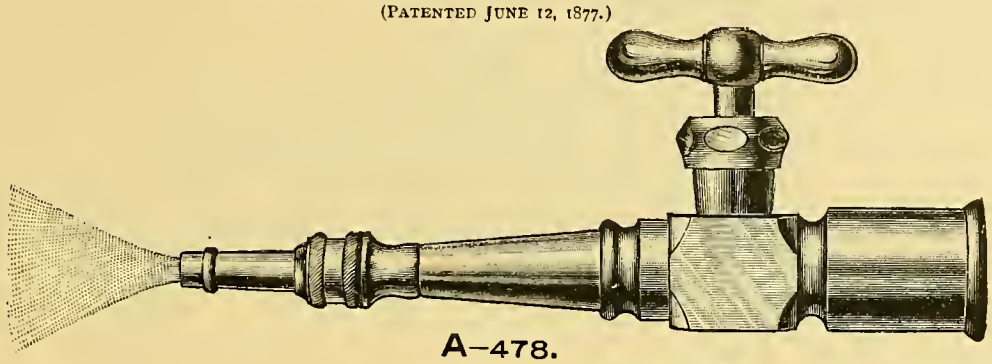


A—477.

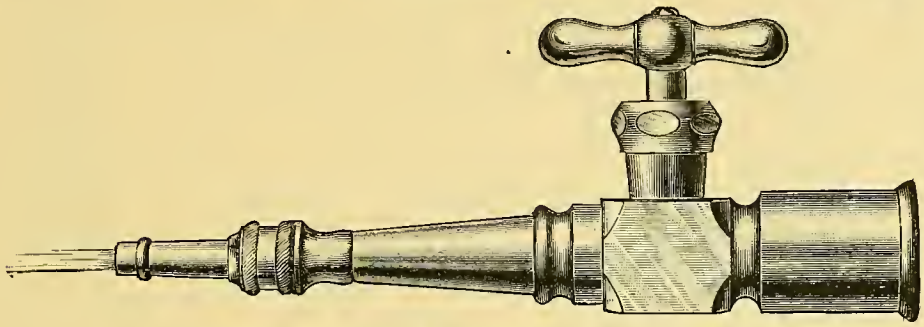
Size,	¾	¾	¾	1	1¼	1½ in.
Length,	6	8	12	8	12	12 in.
Per doz.,	$11.00 Conci.	13.00 Concinnate.	18.00 Concise.	15.00 Concisely.	40.00 Concision.	55.00 Concite.

FULLER HOSE PIPES.

(PATENTED JUNE 12, 1877.)



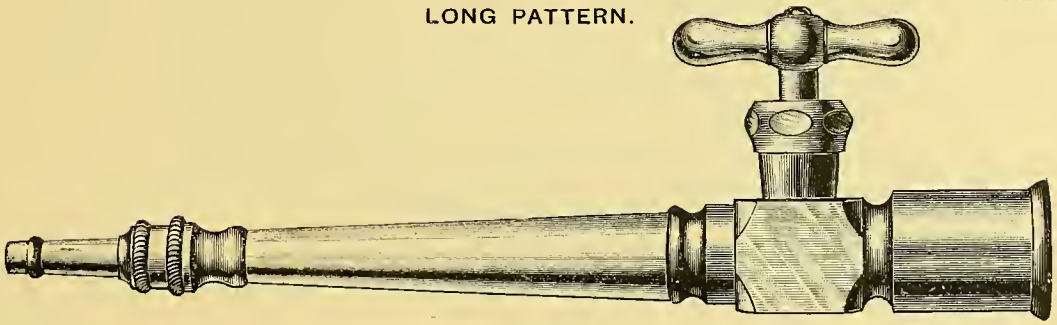
A–478.



A–479.

Size,	¾	1 in.
Per doz.,	$18.00 Conclave.	30.00 Conclavist.

LONG PATTERN.



A–480.

Size,	¾	1 in.
Per doz.,	$22.50 Conclude.	36.00 Concluder.

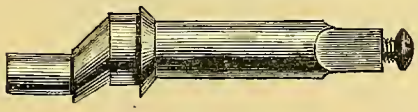
It throws a solid stream. *No Leakage.* No Sprinkler or changing of tips necessary. It throws a spray in a great shower, varying to the finest mist.

Its great durability, its perfect freedom from any liability of leakage, place it far in advance of other Hose Nozzles. All others have a ground-in key or plug; these, if they do not leak to start with, do so the first season, being easily damaged by dropping on the ground, or by sand getting around the plug. If not ruined in this way, the first winter destroys them, as the water left in the key, when shut off, freezes; this expands the key so that it does not fit in its place, and forever after this causes it to leak badly.

☞Any part lost or destroyed can be duplicated.

ECCENTRIC.

FOR FULLER HOSE PIPE.



A–481.

Size, ¾ inch, per doz.,	$3.00 Conclusion.
Size, 1 inch, per doz.,	$4.00 Conclusive.

BALL STEM.

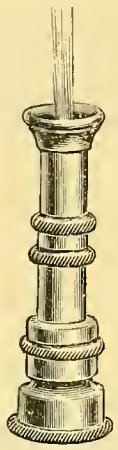
FOR FULLER HOSE PIPE.

A–482.

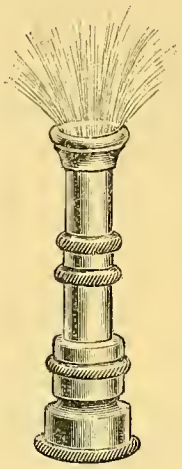
Size, ¾ inch, per doz.,	$4.00 Concoct.
Size, 1 inch, per doz.,	$5.00 Concoction.

The above constitute all the working parts of Fuller Hose Pipes. Any lost or destroyed parts we can duplicate by mail.

THE GEM SPRAY NOZZLE.



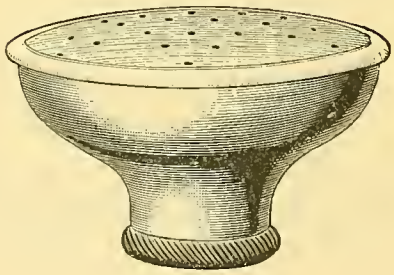
A—483.



A—484.

Size,	¾	1 in.
Finished, per doz ,	$10.00 Concoctive.	12.00 Concolor.
Nickel Plated, per doz.,	$13.00 Concause.	15.00 Concaveness

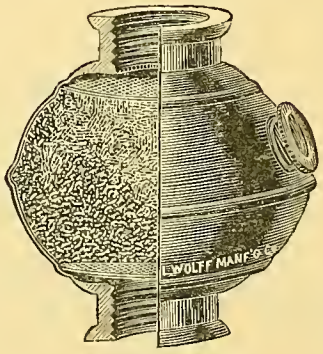
HOSE SPRINKLERS.



A—485.

Size,	2	2¼	2½	3 in.
For Hose Pipe,	¾	¾	1	1¼ in.
Per doz.,	$4.50 Concomitant.	5.25 Conceal	6.00 Concord.	9.00 Concordant.

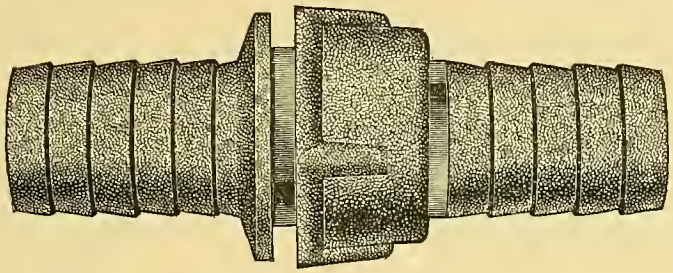
GLOBE WATER FILTER.



A—486.

Copper, per doz.,	$10.00 Concealer.
Nickel Plated, per doz.,	$12.00 Concede.

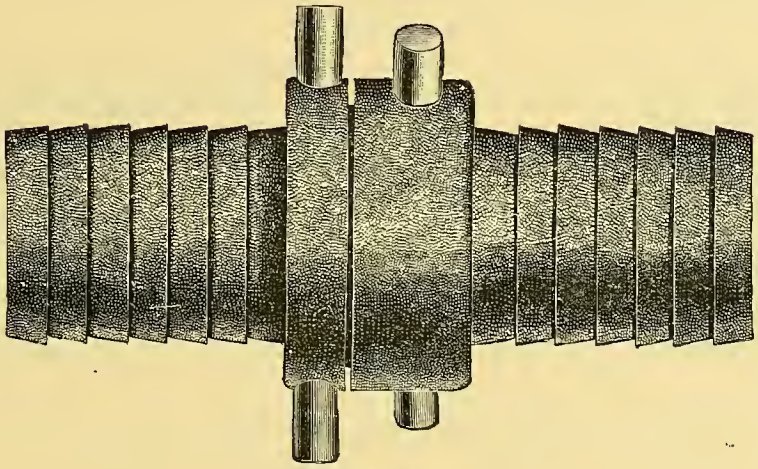
HOSE COUPLINGS.



A—487.

Size,	½	¾	1	1¼	1½	2 in.
Hose Pipe Thread, per doz.,	$2.40 Concordist.	2.40 Concreate.	4.40 Concredit.	10.00 Concrete.	14.00 Coscrew.	24.00 Concupy.
Iron Pipe Thread, per doz.,	$2.65 Concuss.	2.65 Condensate.	4.65 Condense.	10.50 Conder.	15.00 Condign.	26.00 Condite.
Female Half Hose Pipe Thread, per doz.,	$1.80 Condone.	1.80 Condor.	3.00 Conduce.	7.20 Conducive.	9.60 Conduct.	16.20 Conducta.
Female Half Iron Pipe Thread, per doz.,	$1.80 Condyle.	1.80 Cone.	3.25 Coneine.	7.80 Compate.	10.80 Coney.	17.40 Confab.

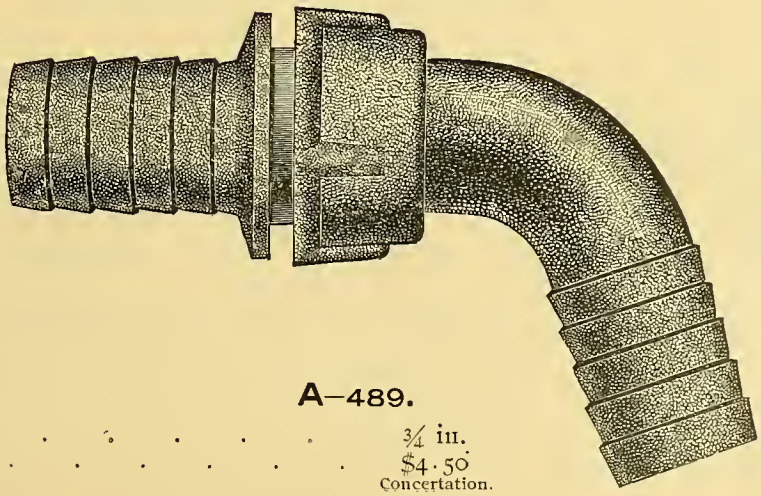
WITH LUGS.



A—488.

Size,	2	2½	3	3½	4 in.
Iron Pipe Thread, per doz.,	$32.00 Con.	50.00 Concernedly.	76.00 Concertative.	120.00 Concernment.	150.00 Concitation.

BENT.

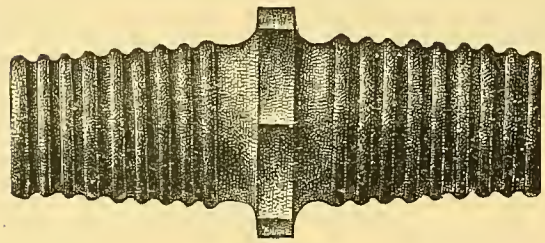


A—489.

Size,	¾ in.
Per doz.,	$4.50 Concertation.

HOSE SPLICE.

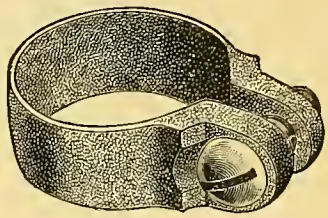
FOR MENDING HOSE.



A—490.

Size,	½	¾	1 in.
Per doz.,	$1.20	1.20	2.00
	Concenter.	Concept.	Concerted.

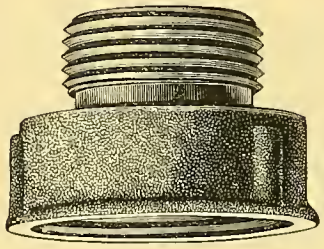
HOSE CLAMPS.



A—491.

Size,	½	¾	1	1¼	1½ in.
Per doz.,	$1.50	1.50	2.00	2.50	3.00
	Confeder.	Confederate.	Confer.	Conferva.	Confess.

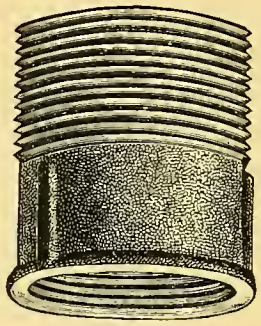
HOSE REDUCERS.



A—492.

Size,	1 to ¾	1¼ to ¾	1¼ to 1 in.
Per doz.,	$6.50	10.00	10.00
	Coniform.	Conine.	Conceit.

HOSE INCREASERS.

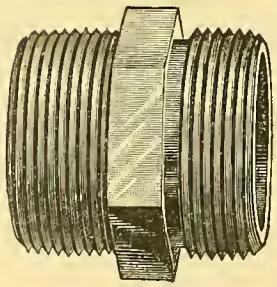


A—493.

Size,	¾ to 1	¾ to 1¼	¾ to 1½ in.
Per doz.,	$6.50	10.00	12.00
	Conceited.	Conceive.	Concent.

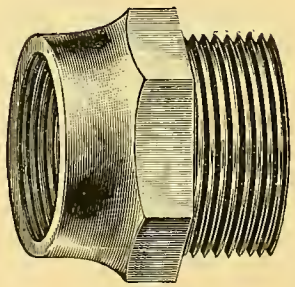
HOSE NIPPLES.

MALE.



A—494.

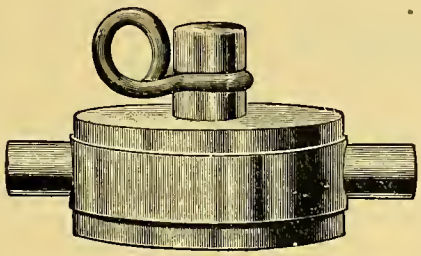
FEMALE.



A—495.

Size,	½	¾	1	1¼	1½	2	2½ in.
Per doz.,	$3.50	3.50	5.00	9.00	10.00	14.00	28.00
	Congress.	Congreve.	Congrue.	Congruous.	Conical.	Conics.	Conifer.

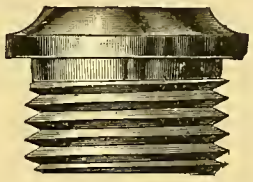
HOSE CAPS.



A—496.

Size,	¾	1	1¼	1½	2	2½ in.
Per doz.,	$4.00	6.00	8.00	10.00	15.00	24.00
	Confirm.	Confit.	Confiture.	Confix.	Confixture.	Conflate.

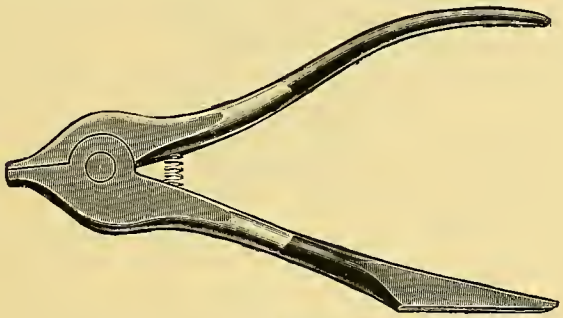
HOSE BIBB END.



A—497.

Size,	½	⅝	¾	1	1¼ in.
Per doz.,	$2.50	2.50	2.50	3.50	6.00
	Conflux.	Conform.	Confract.	Confriar.	Confront.

HOSE STRAP FASTENER.

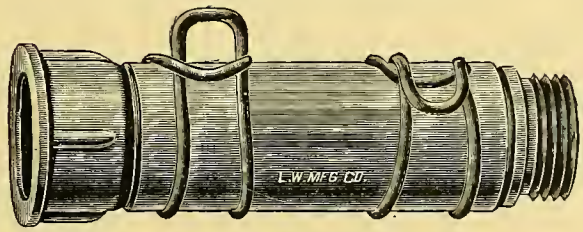


A—498.

½ to 1 inch, each, ... $0.50 Congree.

1¼ to 2½ inch, each, ... $0.75 Congregate.

HOSE STRAPS.

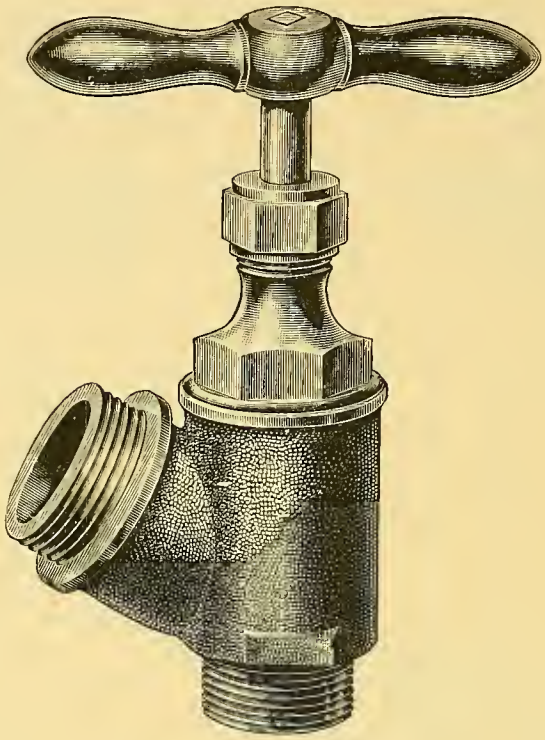


A—499.

No. 2, ½ inch, 3⅜ inch long, per doz.,	$0.40 Confucian.	No. 20, 1½ inch, 7⅜ inch long, per doz.,	$1.20 Congenite.
No. 4, ½ inch, 3¾ inch long, per doz.,	$0.40 Confuse.	No. 22, 1¾ inch, 7½ inch long, per doz.,	$1.40 Conger.
No. 6, ¾ inch, 4¾ inch long, per doz.,	$0.60 Confusion.	No. 24, 1¾ inch, 8 inch long, per doz.,	$1.40 Congeries.
No. 8, ¾ inch, 4¾ inch long, per doz.,	$0.60 Confutant.	No. 26, 2 inch, 8½ inch long, per doz.,	$1.60 Congest.
No. 10, 1 inch, 5 inch long, per doz.,	$0.80 Confute.	No. 28, 2 inch, 9 inch long, per doz.,	$1.60 Congiary.
No. 12, 1 inch, 5⅜ inch long, per doz.,	$0.80 Cong.	No. 30, 2¼ inch, 9½ inch long, per doz.,	$1.80 Congius.
No. 14, 1½ inch, 6 inch long, per doz.,	$1.00 Conge.	No. 32, 2¼ inch, 10 inch long, per doz.,	$1.80 Conglobe.
No. 16, 1¼ inch, 6⅜ inch long, per doz.,	$1.00 Congcal.	No. 34, 2½ inch, 10½ inch long, per doz.,	$2.00 Congo.
No. 18, 1½ inch, 6¾ inch long, per doz.,	$1.20 Congener.	No. 36, 2½ inch, 11 inch long, per doz.,	$2.00 Congou.

HOSE VALVES.

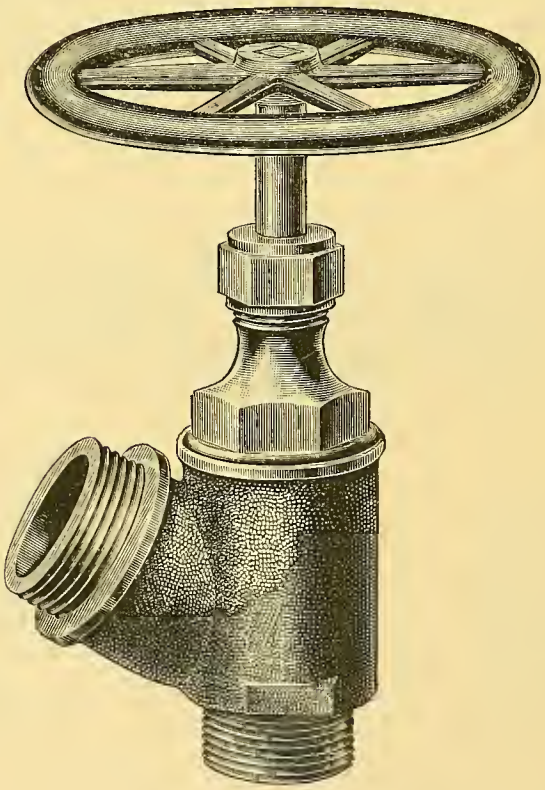
TEE HANDLE.



A—500.

Size,	1	1¼	1½	2	2½ in.
Each,	$3.25 Cockroach.	4.00 Cockscomb.	5.50 Cockshead.	8.00 Cockspur.	10.00 Cockswain.

WHEEL HANDLE.

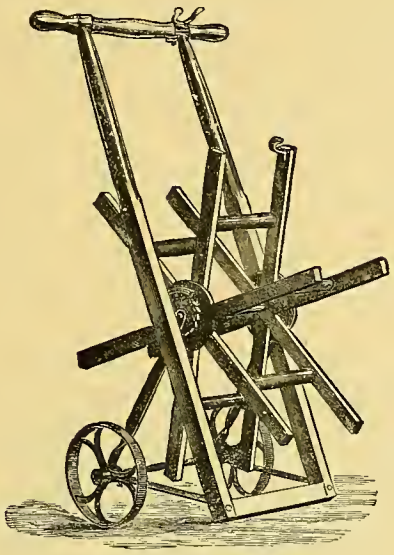


A—501.

Size	1	1¼	1½	2	2½ in.
Each,	$3.25 Cockweed.	4.00 Cocoanut.	5.50 Cocuswood.	8.00 Cocuswool.	10.00 Cocusoil.

HOSE REELS.

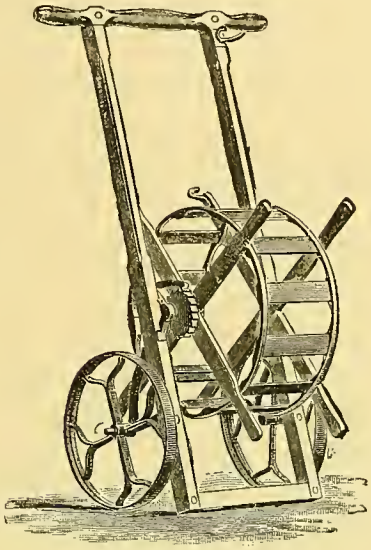
THE "SUCCESS."



A—502.

No. 1, Carries 100 feet ¾ Hose, price,	$2.50 Conductor.
No. 2, Carries 250 feet ¾ Hose, price,	$3.50 Conductive.

THE "HOLLY."



A—503.

No. 1, Carries 100 feet ¾ Hose, price,	$5.00 Conducent.
No. 2, Carries 200 feet ¾ Hose, price,	$6.00 Condoler.

THE "DAISY" LAWN SPRINKLER.

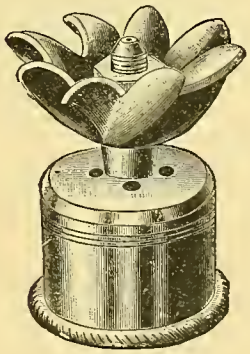
No. 1.

GROUND PATTERN

A—504.

No. 2.

TOP PATTERN.



A—505.

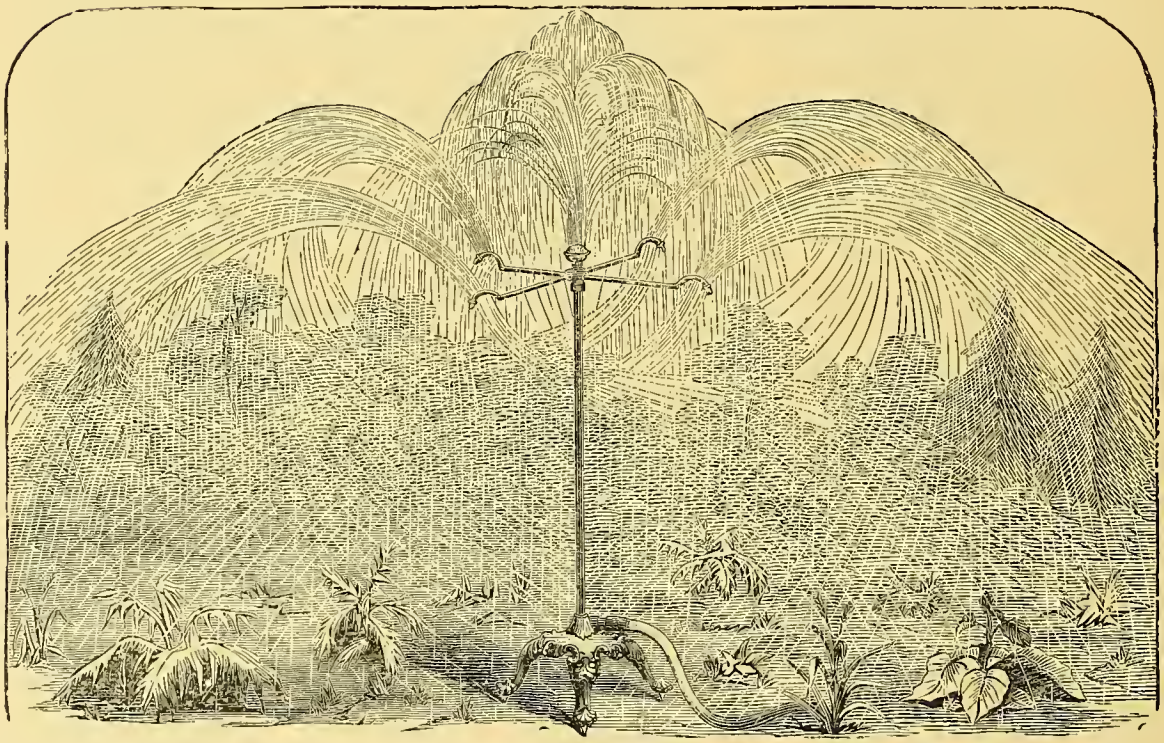
No. 1, Ground Pattern, Brass, ¾ inch Hose Pipe Thread, per doz.,	$12.00 Condign.
No. 1, Ground Pattern, Nickel Plated, ¾ inch Hose Pipe Thread, per doz.,	$13.00 Condiment.
No. 2, Top Pattern, Brass, ½ inch Iron Pipe, or ¾ inch Hose Pipe Thread, per doz.,	$10.00 Condemn.
No. 2, Top Pattern, Nickel Plated, ½ inch Iron Pipe, or ¾ inch Hose Pipe Thread, per doz.,	$11.00 Cond.

LAWN SPRINKLERS.

WITH SINGLE HEAD OR FOUR ARMS.

PAINTED AND BRONZED.

(PATENTED FEBRUARY 4, 1879. No. 211,876.)



A—506.

Finished Brass Head, each,	$6.00 Conisor.
Nickel Plated Head, each,	$6.50 Conistra.

The top jet or head revolves with the arms, adding greatly to the appearance when in operation, and wetting the ground inside the water thrown from the arms.

The revolving part is fastened with a screw having only one joint; this prevents the great leakage happening in other makes, and also allows the parts above the arms to be taken off readily.

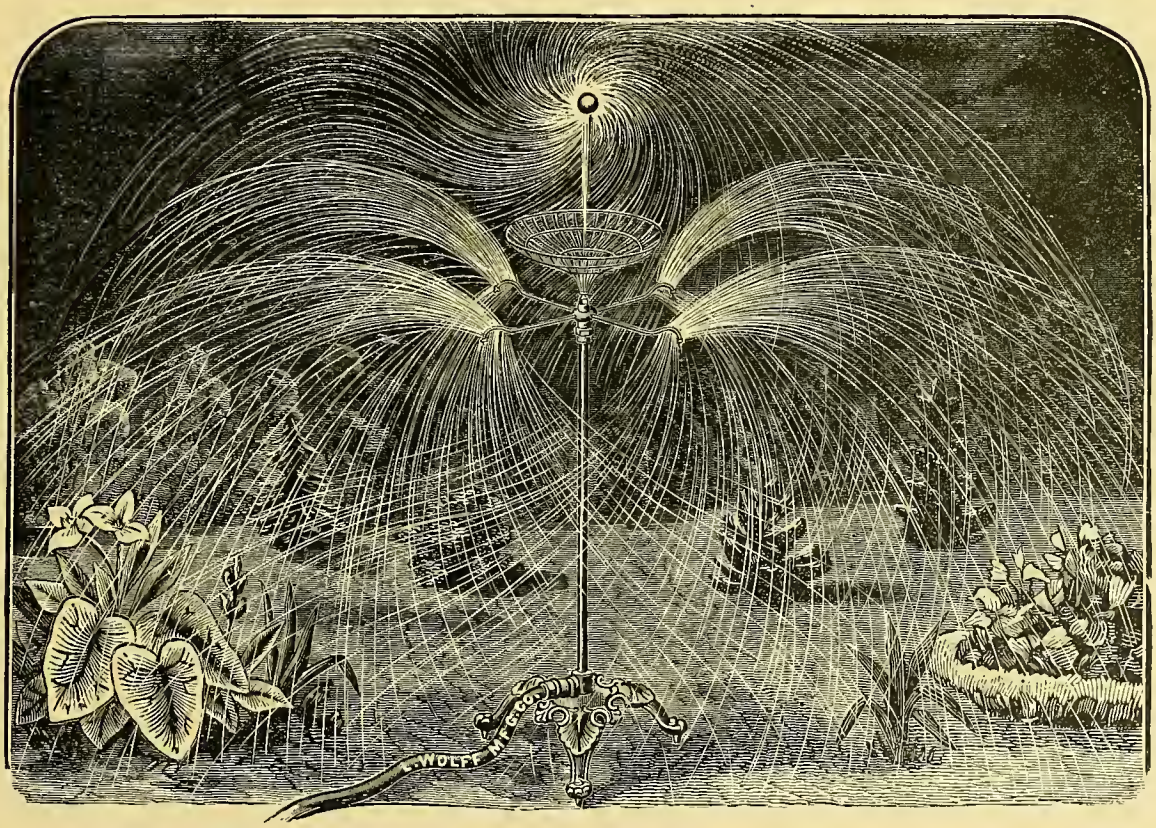
The friction is greatly reduced, thus lessening the liability to wear and stick.

LAWN SPRINKLERS.

WITH SINGLE HEAD OR FOUR ARMS, BASKET AND BALL TOP.

PAINTED AND BRONZED.

(PATENTED FEB. 4, 1879. NO. 211,876.)



A–507.

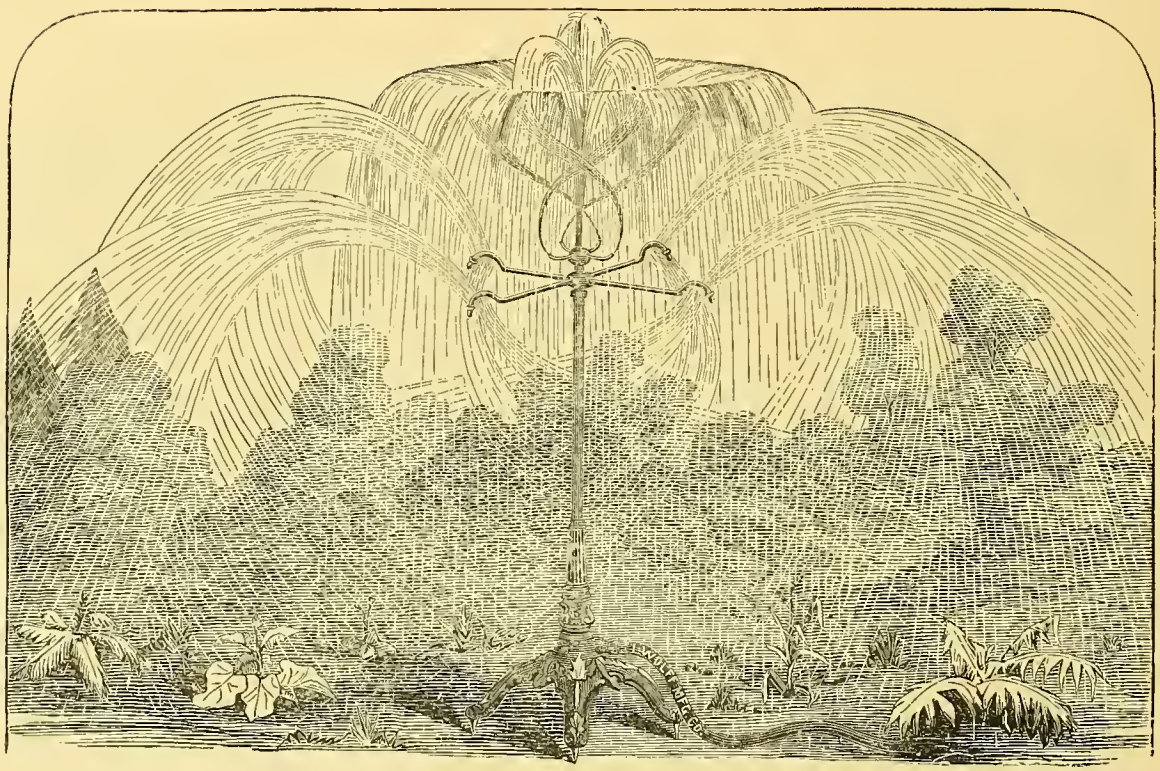
Finished Brass Head, each,	$12.00 Conite.
Nickel Plated Head, each,	$13.00 Conject.

LAWN SPRINKLERS.

WITH DOUBLE HEAD OR EIGHT ARMS.

PAINTED AND BRONZED.

(PATENTED FEB. 4, 1879. NO. 211,876.)



A–508.

Finished Brass Head, each,	$7.00 Conjector.
Nickel Plated Head, each,	$7.50 Conjecture.

The operation and construction is the same as the four-arm, except it has four additional arms at the top; these, being screwed in, can be set in different positions, thus getting a variety of appearances with the water thrown.

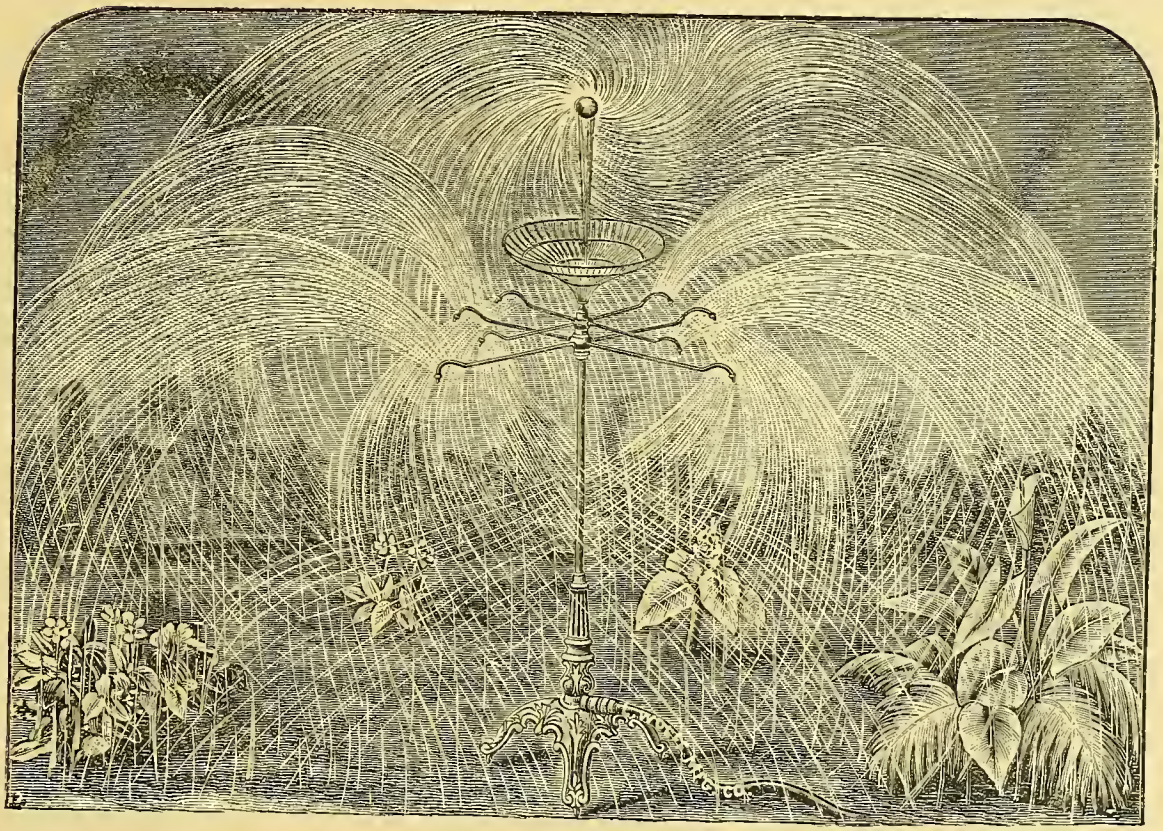
They are superior to any eight-arm Sprinkler in the market.

LAWN SPRINKLERS.

WITH DOUBLE HEAD OR EIGHT ARMS, BASKET AND BALL TOP.

PAINTED AND BRONZED.

(PATENTED FEBRUARY 4, 1879. NO 211,876)



A–509.

Finished Brass Head, each,	$13.00 Conjoble.
Nickel Plated Head, each,	$14.00 Conjoin.

FOUNTAIN JETS.

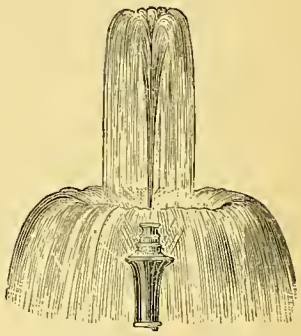
Our Jets are substantially made, and more durable than any imported ones.
In most of them the different parts are screwed, and so put together as to be readily separated.
If cleaning out becomes necessary, this will be found a decided advantage.
If any of the parts become damaged, we can furnish duplicates at a slight expense.
All our Jets are well tested when made, and none sold that do not work properly.

No. 1.

$2.00
Conjoint.

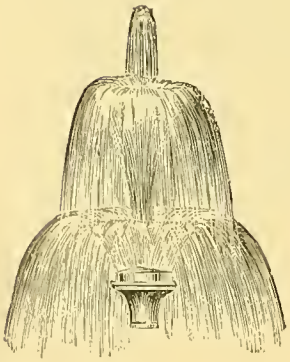
No. 4.

$3.00
Conjugal.



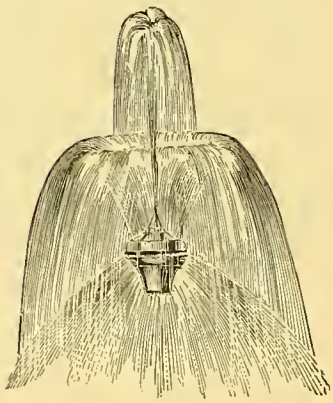
No. 5.

Small, . . . $2.50 Conjugate.
Large, ... $4.00 Conjunct.



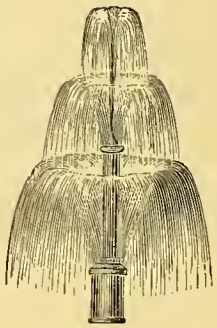
No. 8.

Small, ... $2.50 Conjure.
Large, . . . $4.00 Conjuror.



No. 7.

Small, . . . $2.50 Connate.
Large, ... $4.00 Connation.



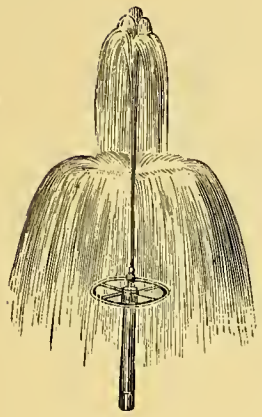
No. 10.

$5.00
Connex.

N. B.—All Jets called small are for use on aquariums, parlor and conservatory fountains, etc. They screw on "¼" inch iron pipe, all other Jets fit "⅜" inch pipe, except Nos. 25, 26 and 27, which fit "½" inch pipe.

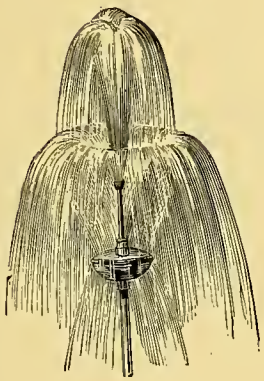
Iron reducers can be used to make Jets fit any size pipe; these all gas-fitters have.

FOUNTAIN JETS



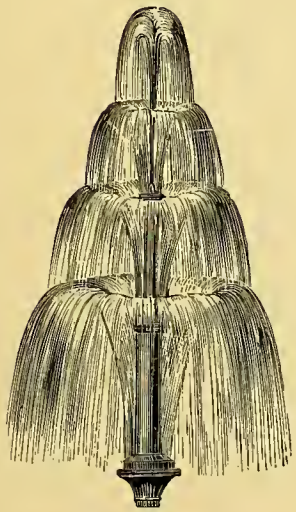
No. 11.

$7.00
Connexion.



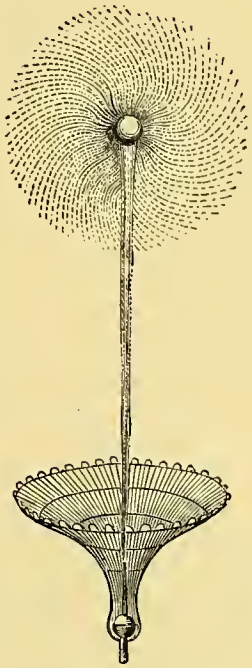
No. 12.

$5.00
Connive.



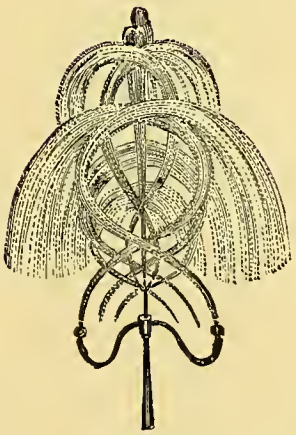
No. 13.

$9.00
Connivent.



No. 14.

$6.00
Connotate.

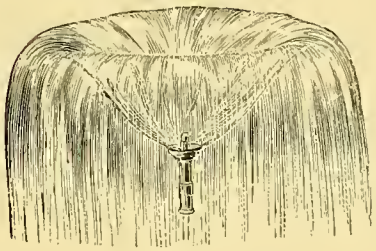


No. 21.

$8.00
Conoid.

No. 15.

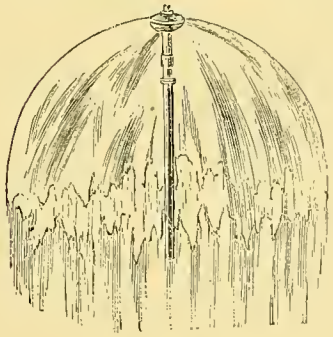
$5.00
Connok.



No. 16.

$9.00
Connusant.

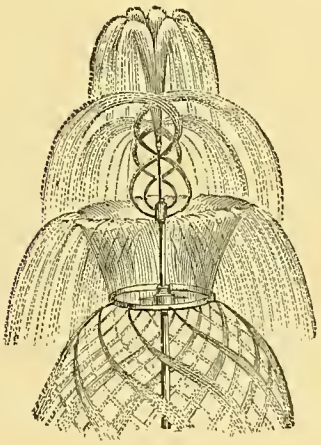
By reversing the top, either illustration is formed.



No. 16.

$9.00
Connusor.

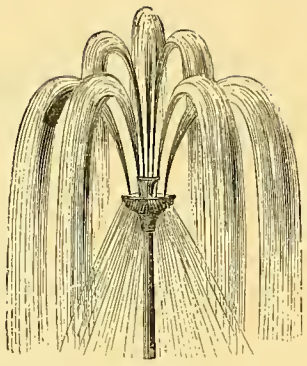
By reversing the top, either illustration is formed.



No. 25.

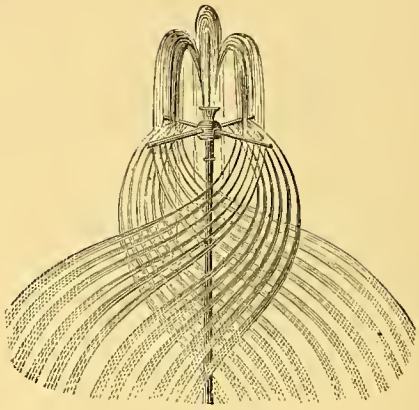
$16.00
Conoidal.

FOUNTAIN JETS.



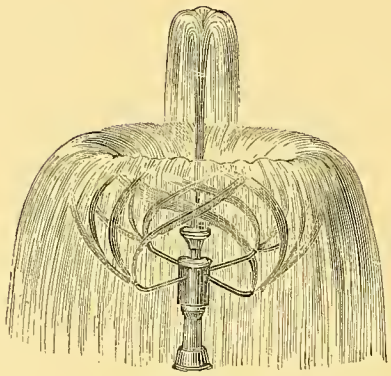
No. 27.

$5.00
Conops.



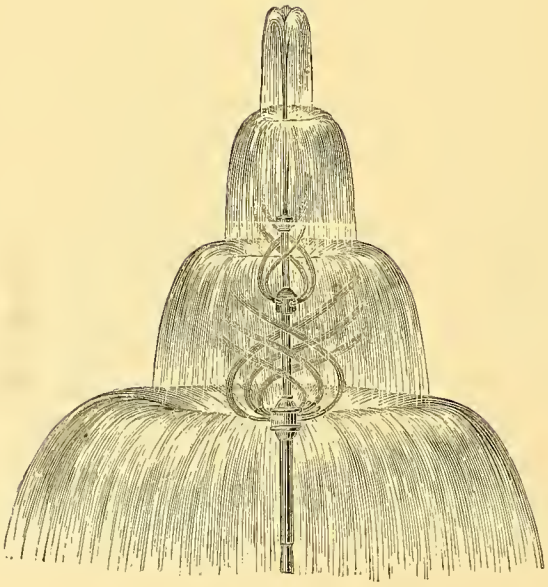
No. 28.

$5.00
Conquer.



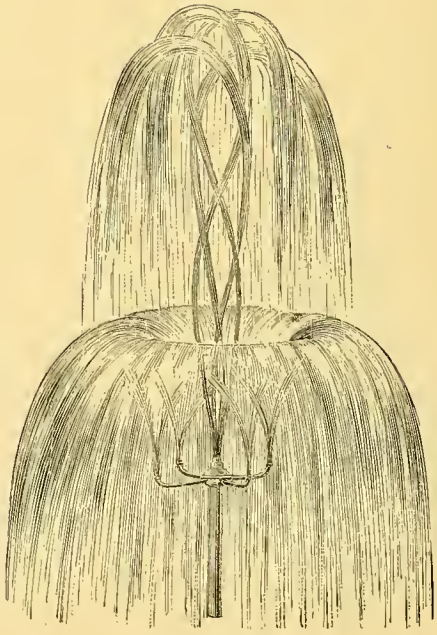
No. 22.

$8.00
Conquest.



No. 26.

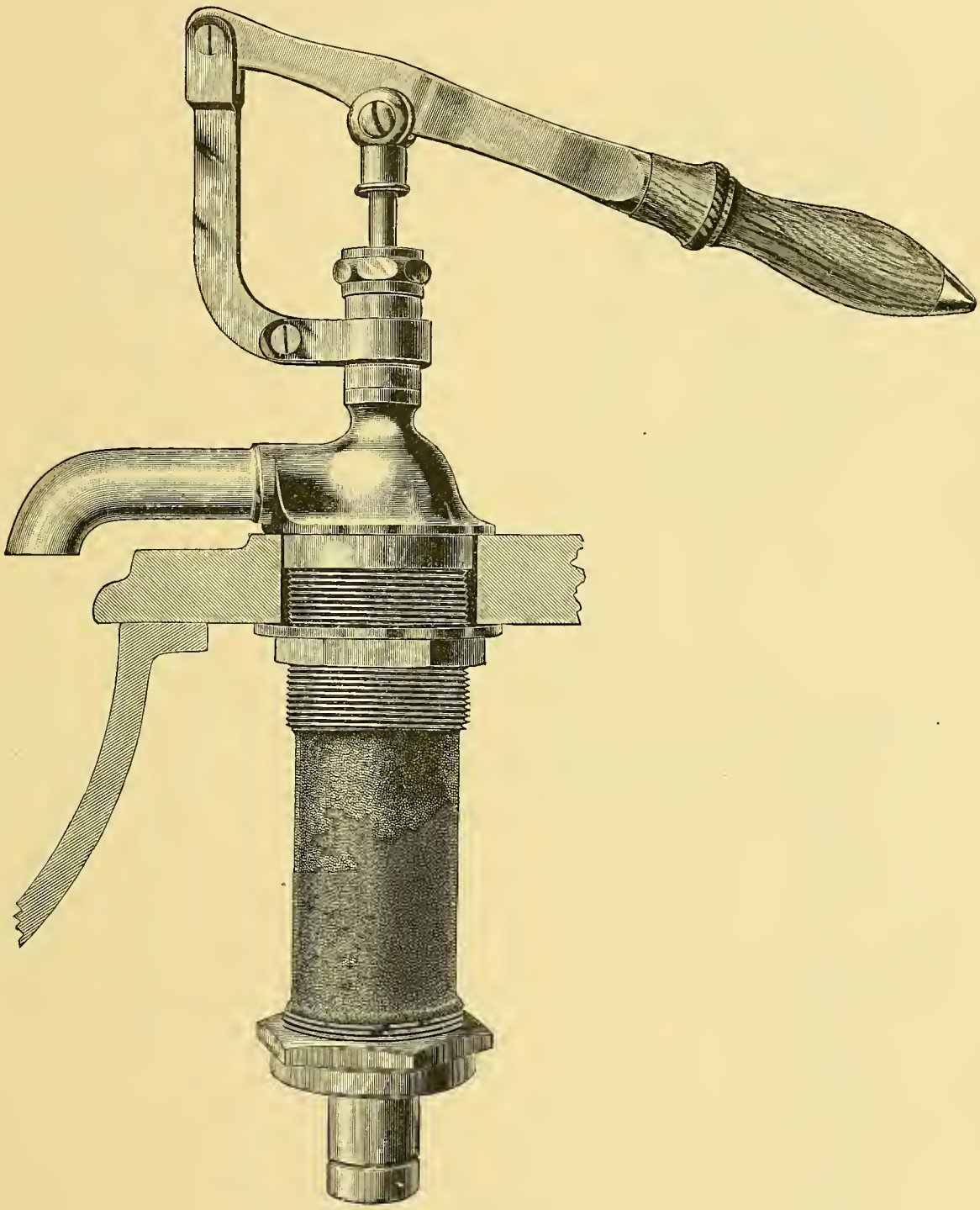
$16.00
Conscience.



No. 24.

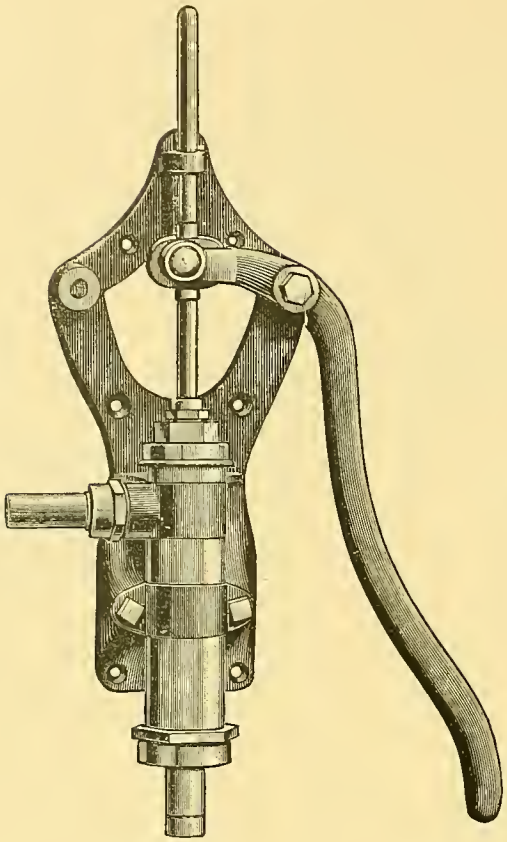
$10.00
Conscribe.

BRASS BASIN PUMPS.



A—510.

Nickel Plated, each, ... $14.00 Comrade.



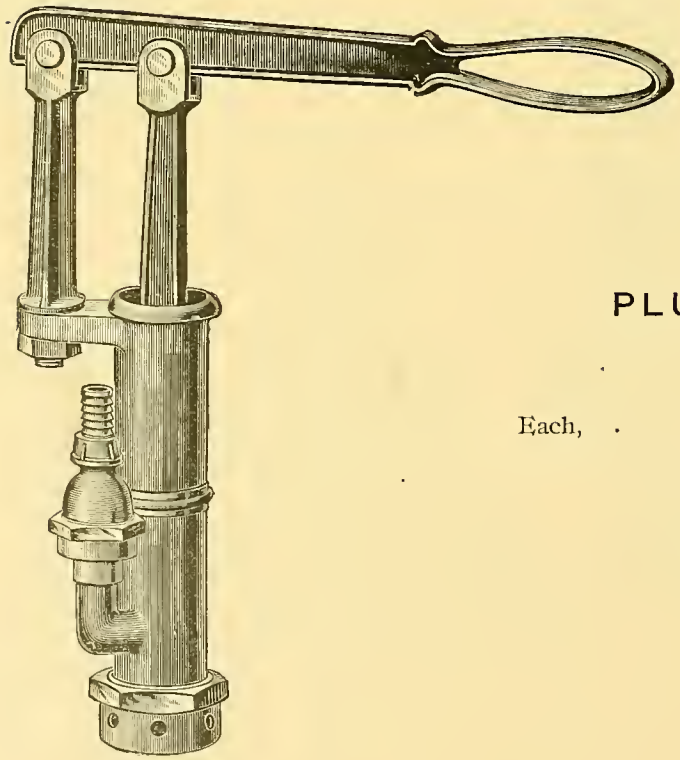
A—511.

BRASS LIFT AND FORCE PUMPS.

ON IRON FRAME.

EITHER RIGHT OR LEFT HAND.

Size, ... 2 in. Cylinder, 1 in. Suction, ¾ in. Discharge.
Each, ... $7.00
Condescent.



A—513.

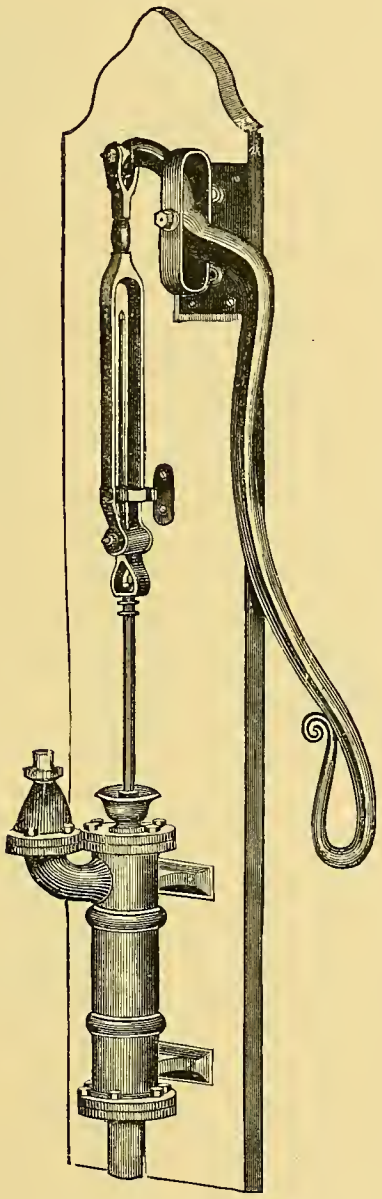
PLUMBERS' FORCE PUMPS.

STEAM METAL.

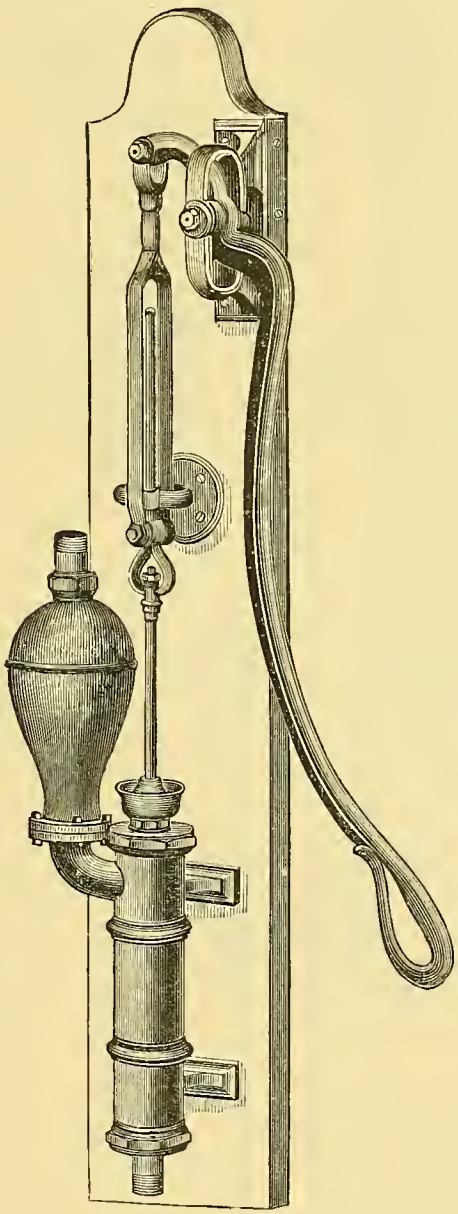
Each, ... $10.00
Condensity.

PLUMBERS' HOUSE LIFT AND FORCE PUMP

BRASS CYLINDERS



A–514.



A–515.

Size,	2½	3 in.
Each (A–514),	$20.00 Concertion.	22.00 Concerto.
Each (A–515), with Air Chamber,	$23.00 Comerat.	25.00 Commend.

BRASS FITTINGS.

IRON PIPE THREADS.

Eighth Bend.

A—516.

Elbow.

A—517.

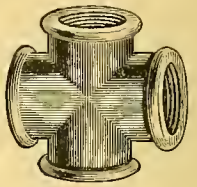
Elbow with Tag.

A—518.

Elbow with Side Outlet.

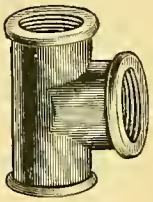
A—519.

Cross.



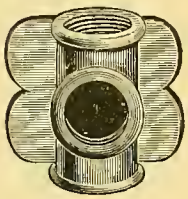
A—520.

Tee.



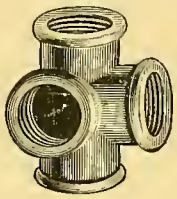
A—521.

Tee with Tag.



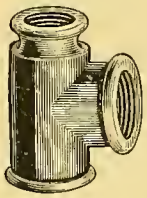
A—522.

Tee with Side Outlet.



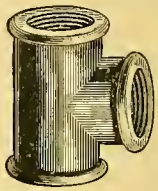
A—523.

Tee Reducing One Size.



A—524.

Tee Increasing One Size on Side.



A—525.

Coupling.

A—526.

Coupling Reducing One Size.

A—527.

Cap.

A—528.

Plug.

A—529.

Locknut.

A—530.

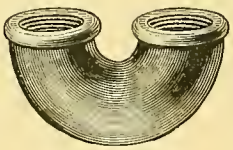
Bushing to Reduce One Size, Hexagon.

A—531.

Close Nipple.

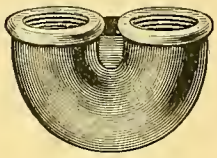
A—532.

Return Bend Open.



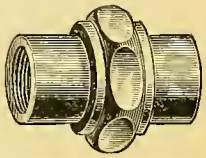
A—533.

Return Bend Close.



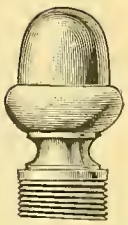
A—534.

Union Ground Joint.



A—535

ACORN TIPS.



A—536.

A—537.

A—538.

A—539.

FOR SIZES AND PRICES OF ABOVE FITTINGS SEE OPPOSITE PAGE.

BRASS FITTINGS.

Size, inches, each,	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Eighth Bends, Rough, each,	$0.10	.12	$0 16	$0.25	$0.35	$0.50	$0.85	$1.15	$1.50
Eighth Bends, Finished, each,	.15	.18	.24	.35	.45	.65	1.10	1.50	2.00
Elbows, Rough, each,	.10	.12	.16	.25	.35	.50	.85	1.15	1.50
Elbows, Finished, each,	.15	.18	.24	.35	.45	.65	1.10	1.50	2.00
Elbows with Tag, Rough, each,	.15	.18	.24	.37	.52	.75	1.25	1.75	2.25
Elbows with Tag, Finished, each,	.22	.27	.36	.53	.65	.95	1.65	2.25	3 00
Elbows with Side Outlet, Rough, each,	.15	.18	.24	.37	.52	.75	1.25	1.75	2.25
Elbows with Side Outlet, Finished, each,	.22	.27	.36	.53	.65	.95	1.65	2.25	3.00
Crosses, Rough, each,	.15	.20	.30	.40	.55	.80	1.15	1.40	1.95
Crosses, Finished, each,	.30	.35	.55	.70	.85	1.25	1.90	2.50	3.50
Tees, Rough, each,	.12	.15	.20	.30	.45	.70	1.00	1.25	1.75
Tees, Finished, each,	.20	.25	35	.50	.65	1.00	1.50	2.00	2.75
Tees with Tag, Rough, each,	.18	.22	.30	.45	.68	1.05	1.50	1.85	2.60
Tees with Tag, Finished, each,	.30	.37	.43	.75	.95	1.50	2.25	3.00	4.10
Tees with Side Outlet, Rough, each,	.18	.22	.30	.45	.68	1.05	1.50	1.85	2.60
Tees with Side Outlet, Finished, each,	.30	.37	.43	.75	.95	1.50	2.25	3 00	4.10
Tees, reducing one size, Rough, each,	.12	.15	.20	.30	.45	.70	1.00	1 25	1.75
Tees, reducing one size, Finished, each,	.20	.25	.35	.50	.65	1.00	1.50	2.00	2.75
Tees, increasing one size on side, Rough, each,	.15	.20	.25	.40	.58	.90	1.30	1.60	2.25
Tees, increasing one size on side, Finished, each	.25	.32	.45	.65	.85	1.30	1.95	2.60	3.55
Couplings, Rough, each,	.08	.10	.15	.20	.30	.40	.60	.75	1.25
Couplings, Finished, each,	.13	.15	.20	.25	.35	.45	.70	.85	1.55
Couplings, reducing one size, Rough, each,	.08	.10	.15	.20	.30	.40	.60	.75	1.25
Couplings, reducing one size, Finished, each,	.13	.15	.20	.25	.35	.45	.70	.85	1.55
Caps, Rough, each,	.08	.10	.15	.20	.30	.40	.60	.75	1.25
Caps, Finished, each,	.13	.15	.20	.25	.35	.45	.70	.85	1.55
Plugs, Rough, each,	.06	.08	.10	.15	.20	.25	.40	.50	.90
Plugs, Finished, each,	.10	.12	.15	.20	.25	.30	.50	.70	1.20
Locknuts, Rough, each,	.08	.08	.10	.15	.20	.25	.40	.50	.90
Locknuts, Finished, each,	.10	.10	.12	.18	.23	.30	.45	.55	1.00
Bushings, to reduce one size, Rough, each,		06	.08	.12	.20	.37	.50	.65	.80
Bushings, to ruduce two sizes, Rough, each,			.08	.12	.20	.37	.50	.65	.80
Close Nipple, Rough, each, each,	.15	.20	.30	.35	.45	.60	.90	1.25	1.60
Return Bends, Open, Rough, each,				.50	.80	1.00	1.50	2.25	3.00
Return Bends, Open, Finished, each,				.70	1.00	1.30	2.00	3.00	4.00
Return Bends, Close, Rough, each,				.40	.70	.90	1.25	2.00	2.75
Unions, Ground Joints, Rough, each,	.35	.40	.55	.75	1.00	1 40	1.90	2.75	4.00
Acorn Tips, A-536 and A-537, Rough, each,					.45	.75	1.10	1.40	
Acorn Tips, A-536 and A-537, Finished, each,					.60	1.00	1.50	2.00	
Acorn Tips, A-538 and A-539, Rough, each,					.35	.50	.85	1.15	1.50
Acorn Tips, A-538 and A-539, Finished, each,					.45	.65	1.10	1.50	2.00

SEAMLESS DRAWN BRASS TUBES.

Sizes, Inside Diameter, inches,	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Outside Diameter, inches,	13/32	9/16	11/16	13/16	1 1/16	1 5/16	1 5/8	1 7/8	2 3/8	2 7/8	3 1/2
Length, feet,	12	12	12	12	12	12	12	12	12	12	12
Weight per running foot, lbs.,	0.32	0.43	0.58	0.81	1.19	1.66	2.42	2.92	3.90	5.14	8.08

BEER AND ALE WORK.

Our Beer and Ale Cocks are extra heavy, and of the best metal, being made to stand the hard usage such goods are subjected to.

They are not the cheapest in the market, but are more suitable for the purpose than anything of less price.

BEER COCKS.

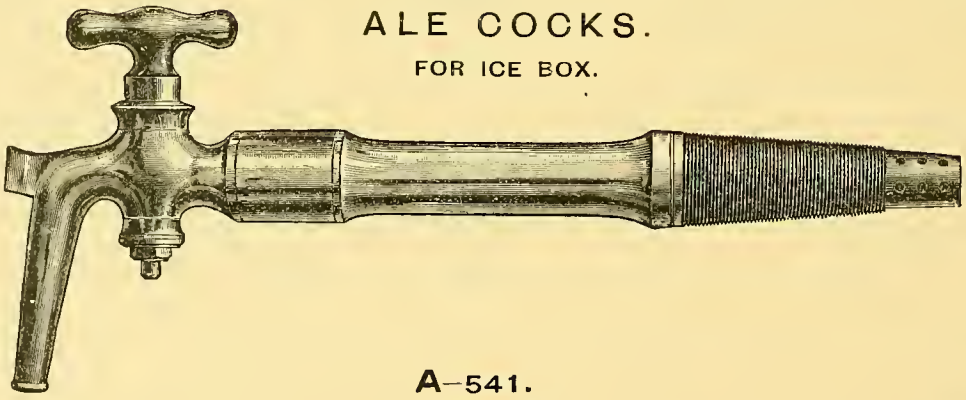
FOR ICE BOX.

A–540.

Length,	14	16	18	20	22 in.
Finished, each,	$3·50 Conscript.	4·00 Consense.	4·50 Consent.	5·00 Conserve.	5·50 Concessor.
Nickel Plated, each,	$4·50 Consider.	5·00 Consign.	5·50 Consignor.	6·00 Consist.	6·50 Console.

ALE COCKS.

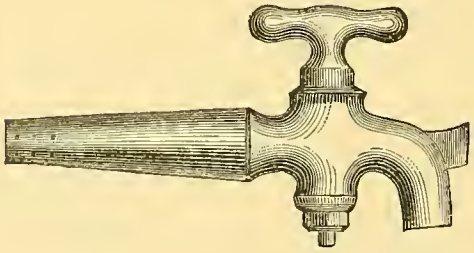
FOR ICE BOX.



A–541.

Length,	14	16	18	20	22 in.
Finished, each,	$3·50 Consoler.	4·00 Consols.	4·50 Consonant.	5·00 Consonous.	6·00 Consort.
Nickel Plated, each,	$4·50 Conspire.	5·00 Constable.	5·50 Constant.	6·00 Constat.	7·00 Constrain.

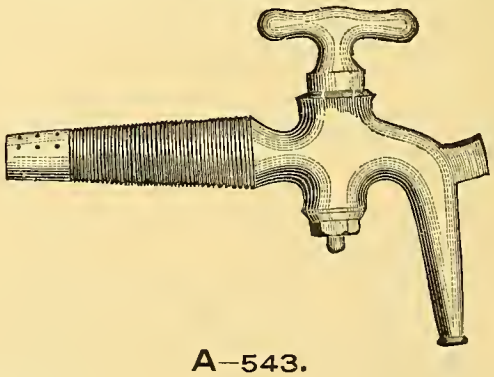
SHORT BEER COCKS.



A–542.

Finished, 7 inches long, each,	$3·00 Constrict.
Finished, 9½ inches long, each,	3·25 Construct.
Nickel Plated, each,	3·75 Construe.

SHORT ALE COCKS.



A–543.

Finished, each,	$3·00 Consul.
Nickel Plated, each,	3·75 Consular.

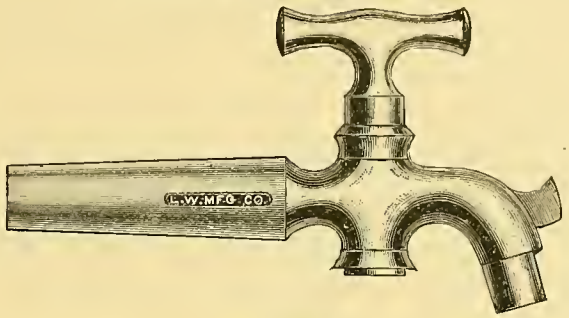
RACKING COCKS.

TO SCREW IN.

A—544.

Size,	¼	⅜	½ in.
Finished, per doz.,	$5.50 Consulate.	8.00 Consult.	11.00 Consulter.
Size,	⅝	¾	1 in.
Finished, per doz.,	$16.00 Consultive.	19.00 Consume.	32.50 Consumer.

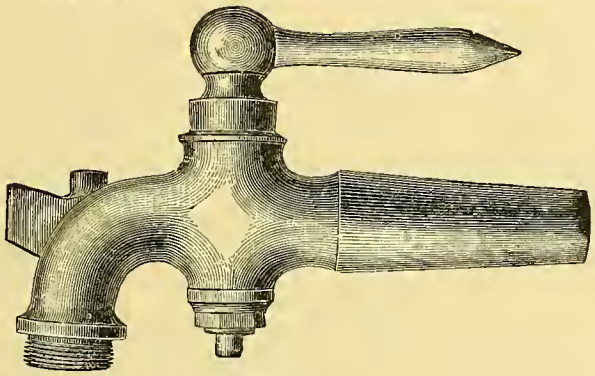
TO DRIVE OR SOLDER IN.



A—545.

Size,	¼	⅜	½ in.
Finished, per doz.,	$5.00 Consutile.	7.50 Contact.	10.00 Contagion.
Size,	⅝	¾	1 in.
Finished, per doz.,	$14.50 Conteck.	17.00 Contemn.	30.00 Contemper.

LEVER OR "T" HANDLE, FOR HOSE.

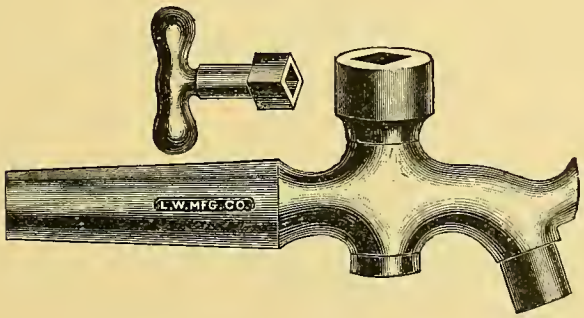


A—546.

Size,	¾	1	1¼	1½	2 in.
Rough, each,	$2.00 Convoke.	3.10 Convolute.	4.25 Convolve.	6.00 Convoy.	11.00 Convulse.
Finished, each,	$2.50 Cook.	3.60 Cookee.	5.00 Cool.	7.00 Cooler.	13.00 Coolly.

LOCK COCKS.

TO DRIVE.



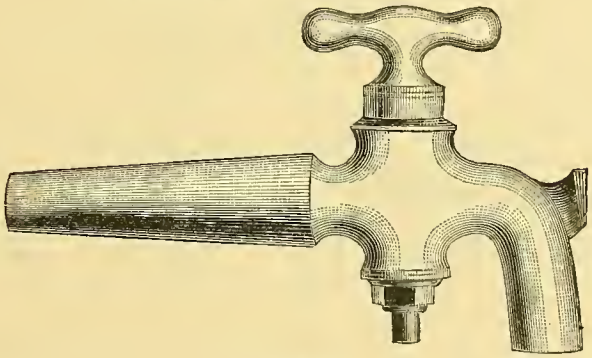
A—547.

Size,	¼	⅜	½ in.
Finished, per doz.,	$6.50 Contend.	8.50 Contest.	12.00 Context.
Size,	⅝	¾	1 in.
Finished, per doz.,	$16.50 Contexture.	20.00 Continent.	35 00 Continge.

HEAVY RACKING COCKS.

"T" OR LEVER HANDLE.

FOR BREWERS' AND DISTILLERS' USE.

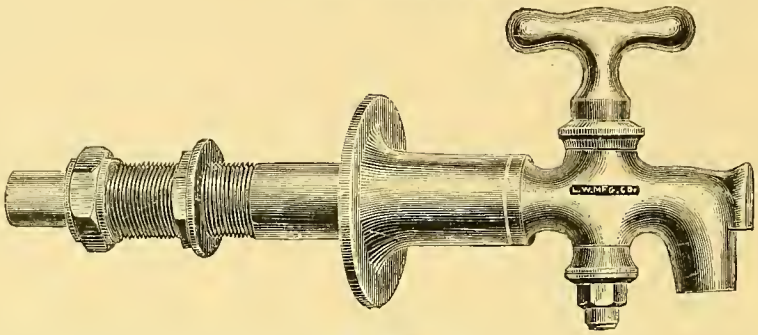


A—548.

Size,	¾	1	1¼	1½	2 in.
Rough, each,	$1.75 Contrition.	2.75 Contrive.	3.75 Control.	5.50 Contuse.	10.00 Conus.
Finished, each,	$2.25 Conusant.	3.25 Conusor.	4.50 Convective.	6.50 Convene.	12.00 Convent.

BEER COCKS.

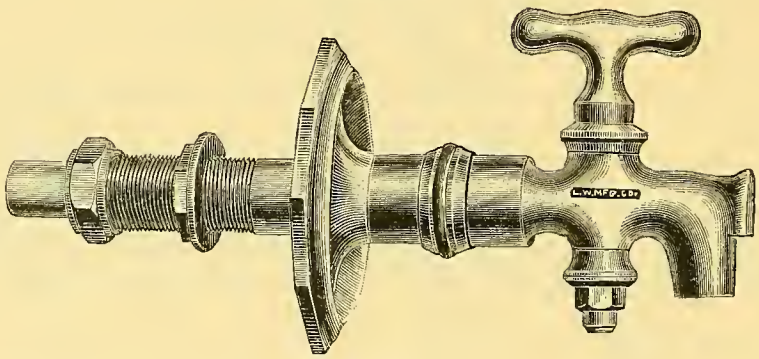
TIGHT FLANGE.



A—549.

Extreme Length between Flange and Lock Nut,	2	5	7 in.
Finished, each,	$5.50 Converge.	6.50 Conversant.	7.50 Converse.
Nickel Plated, each,	$6.00 Convert.	7.00 Convex.	8.00 Convexity.

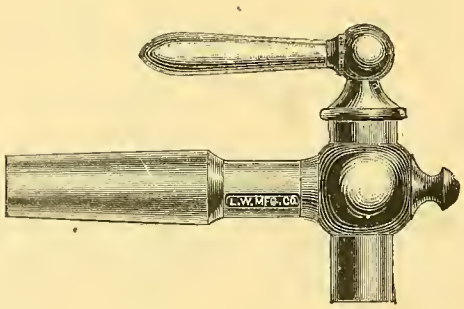
LOOSE FLANGE.



A—550.

Extreme Length between Flange and Lock Nut,	2	5	7 in.
Finished, each,	$6.50 Convey.	7.50 Conveyance.	8.50 Conveyer.
Nickel Plated, each,	$7.00 Convict.	8.00 Convince.	9.00 Convival.

COOLER COCKS.

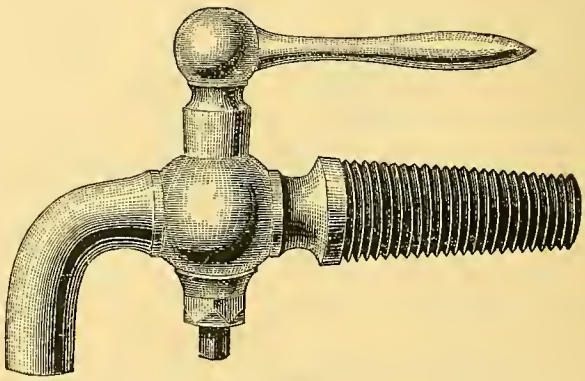


A—551.

Size,	¼	⅜	½ in.
Finished, per doz.,	$8.00 Contingent.	9.00 Contort.	10.50 Contortion.
Nickel Plated, per doz.	$9.50 Contour.	10.50 Contra.	12.00 Contract.

LIQUOR COCKS.

HEAVY.



A—552.

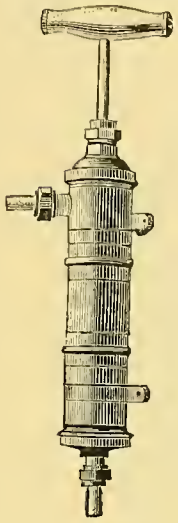
Size,	⅜	½	⅝ in.
Finished, per doz.,	$14.00 Contralto.	16.00 Contrast.	20.00 Contravene
Nickel Plated, per doz.,	$16.00 Contribute.	18.00 Contrist.	22.00 Contrite.

SHULTZ'S PATENT VENT.

A—553.

Each, ... $2.50 Coolness.

BEER PUMPS

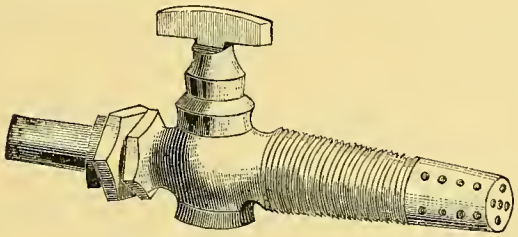


A—554.

Without Stand, each, ... $6.50 Coolie.

On Stand, each, ... $7.25 Coom.

BARREL COCKS.

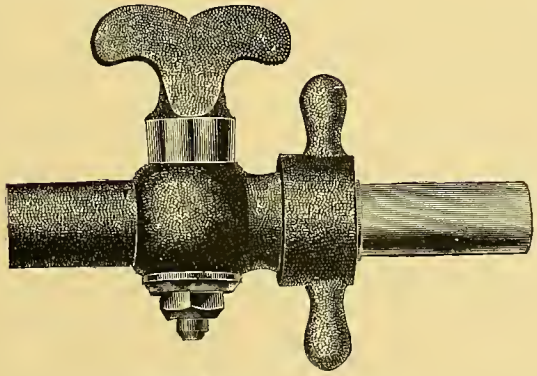


A—555.

Each, ... $3.00 Coomb.

AIR COCKS.

WITH COUPLING.

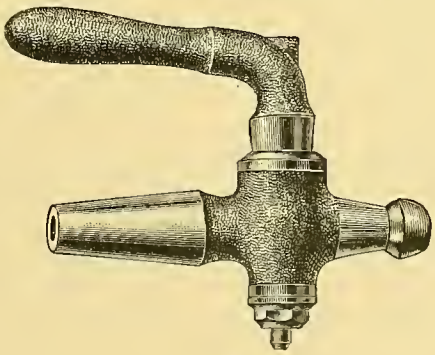


A—556.

Each, ... $2.00 Convive.

AIR COCKS.

FOR RUBBER TUBE.



A—557.

Each, ... $1.00 Convocate.

Goods on this page are used where Beer Pumps are set and operated by the City Water Pressure.

Block Tin Pipe or Tin-lined Lead Pipe is generally used as a conductor for the Beer.

IRON GOODS.

CAST IRON PIPE AND FITTINGS.

FOR PLUMBING, SEWERAGE AND GREEN-HOUSE USE.

To those interested and wanting an excellent quality of Cast Iron Pipe for Plumbing, Sewerage and Green-house use, we wish to state that—

The superior quality of our Cast Iron Pipe is too well known to require comment; its excellence is admitted by the trade, to whom we refer for endorsement of our claim that its reputation was made on merit alone.

Weight, Full Size of Pipe, Depth and Strength of Hub are particulars in which we claim superior merit.

For the production of "Extra Heavy Pipe," we are as well equipped with modern patterns and machinery as on our regular Pipe, making all sizes from two to twelve inches, inclusive.

Our Pipe is coated with Tar, the deleterious acids in it having first been neutralized.

Our "Extra Heavy" Pipe has cast on it "Wolff's Ex. H'y," in raised letters.

Extra Heavy Pipe,	2	3	4	5	6	8	10	inch.
Weights, per foot,	5½	9½	13	17	20	34	45	lbs.

CAST IRON PIPE AND FITTINGS.

SINGLE HUB.

A—558.

DOUBLE HUB.

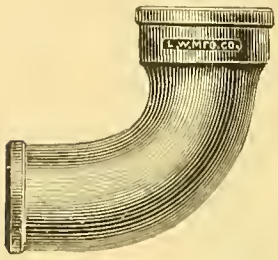
SINGLE HUB PIPE.

	STANDARD.		EX. HEAVY.	
2 inch, 5 feet long, per foot,	$0.24	Dab.	$0.35	Dabble.
3 inch, 5 feet long, per foot,	.30	Dabler.	.55	Dabchick.
4 inch, 5 feet long, per foot,	.36	Dabster.	.75	Dacapo.
5 inch, 5 feet long, per foot,	.50	Dace.	1.00	Dacian.
6 inch, 5 feet long, per foot,	.60	Dacoit.	1.20	Dacoity.
8 inch, 5 feet long, per foot,	1.25	Dactye.	2.25	Dad.
10 inch, 5 feet long, per foot,	2.00	Daddy.	3.00	Daddle.
12 inch, 6 feet long, per foot,	3.00	Daddock.	4.00	Dade.

DOUBLE HUB PIPE.

	STANDARD.		EX. HEAVY.	
2 inch, per length of 5 feet,	$1.50	Dado.	$2.05	Daedal.
3 inch, per length of 5 feet,	1.80	Daff.	3.05	Daffle.
4 inch, per length of 5 feet,	2.10	Daffodil.	4.05	Daft.
5 inch, per length of 5 feet,	2.80	Dag.	5.30	Dagger.
6 inch, per length of 5 feet,	3.30	Dagges.	6.30	Daggle.
8 inch, per length of 5 feet,	7.25	Dagon	12.75	Dahlia.

QUARTER BEND.

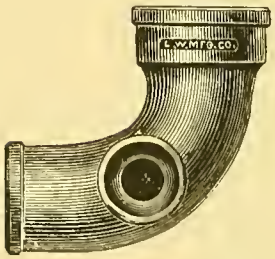


A—559.

	STANDARD.		EX. HEAVY,	
2 inch,	$0.40	Daintily.	$0.50	Dainty.
3 inch,	.55	Dairy.	.70	Dairyfarm.
4 inch,	.65	Dairyhouse.	1.10	Dairymaid.
5 inch,	1.00	Dairying.	1.35	Dais.
6 inch,	1.20	Daisied.	1.75	Daisy.
8 inch,	3.00	Dak.	4.00	Daker.
10 inch,	4.00	Dakir.	5.00	Dakoit.
12 inch,	6 00	Dakoity.	8.00	Dal.

QUARTER BEND.

WITH SIDE OUTLET.



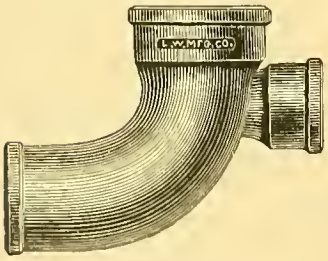
A—560.

	STANDARD.		EX. HEAVY.	
2 inch, with 2 inch Outlet,	$0.70	Dale.	$0.80	Dalesman.
3 inch, with 2 inch Outlet,	.85	Dalliance.	1.00	Dallier.
4 inch, with 2 inch Outlet,	.95	Dallop.	1.40	Dally.
4 inch, with 3 inch Outlet,	1.05	Dalmatic.	1.50	Dalriad.
5 inch, with 2 inch Outlet,	1.30	Dam.	1.65	Damage.
5 inch, with 3 inch Outlet,	1.40	Damar.	1.75	Damask.
6 inch, with 2 inch Outlet,	1.50	Damasse.	2.05	Dame.
6 inch, with 3 inch Outlet,	1.60	Damewort.	2.15	Dammar.
6 inch, with 4 inch Outlet,	1.70	Damnify.	2.25	Damp.
8 inch, with 4 inch Outlet,	3.50	Dampen.	4.50	Damper.
10 inch, with 4 inch Outlet,	4.50	Dampish.	5.50	Dampy.
12 inch, with 4 inch Outlet,	6.50	Damsel.	8.50	Damson.

NOTE.—A-560 Quarter Bend will always be sent with Outlet on right hand side as shown, but can be furnished with the Outlet on left hand side when desired.

QUARTER BEND.

WITH HEEL OUTLET.

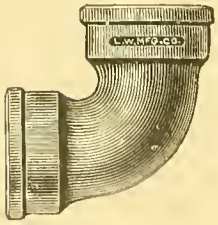


A—561.

	STANDARD.		EX. HEAVY.	
2 inch, with 2 inch Outlet,	$0.70	Dan.	$0.80	Danaide.
3 inch, with 2 inch Outlet,	.85	Danaite.	1.00	Dance.
4 inch, with 2 inch Outlet,	.95	Dancer.	1.40	Dander
4 inch, with 3 inch Outlet,	1.05	Dandify.	1.50	Dandle.
5 inch, with 2 inch Outlet,	1.30	Dandler.	1.65	Dandy.
5 inch, with 3 inch Outlet,	1.40	Dane.	1.75	Danger.
6 inch, with 2 inch Outlet,	1.50	Dangle.	2.05	Dangler.
6 inch, with 3 inch Outlet,	1.60	Danish.	2.15	Dank.
6 inch, with 4 inch Outlet,	1.70	Dap.	2.25	Dape.
8 inch, with 4 inch Outlet,	3.50	Dapifer.	4.50	Dapper.
10 inch, with 4 inch Outlet,	4.50	Dapple.	5.50	Dare.
12 inch, with 4 inch Outlet,	6.50	Dareful.	8.50	Darer.

QUARTER BEND.

DOUBLE HUBS.



A—562.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.70	Darie.	$0.80	Daring.
3 inch,	.85	Dark.	1.00	Darken.
4 inch,	.95	Darkful.	1.40	Darkish.
5 inch,	1.30	Darkly.	1.65	Darkness.
6 inch,	1.50	Darksome.	2.05	Darky.

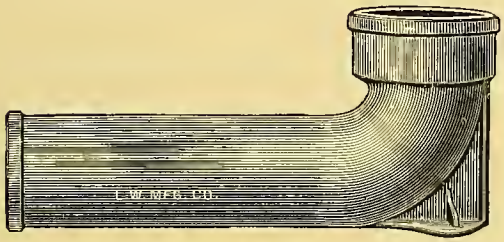
LONG QUARTER BEND.

A—563.

	STANDARD.		EX. HEAVY.	
2 in., 14 in. in the clear,	$1.10	Darling.	$1.40	Darn.
3 in., 15 in. in the clear,	1.25	Darnel.	1.80	Darner.
4 in., 18 in. in the clear,	1.50	Darnex.	2.25	Darnie.
5 in., 18 in. in the clear,	2.25	Daroo.	3.00	Darrian.
6 in., 18 in. in the clear,	2.50	Darrien.	3.50	Darsis.
8 in., 18 in. in the clear,	5.50	Dart.		

LONG QUARTER BEND.

WITH FOOT-REST.

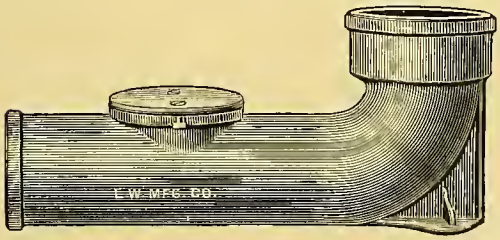


A—564.

	STANDARD.		EX. HEAVY.	
2 in., 14 in. in the clear,			$1.75	Dartre.
3 in., 15 in. in the clear,			2.50	Dasher.
4 in., 18 in. in the clear,	$2.75	Dashism.	3.50	Dashpot.
5 in., 18 in. in the clear,			4.00	Dasyure.
6 in., 18 in. in the clear,			4.75	Darter.

LONG QUARTER BEND.

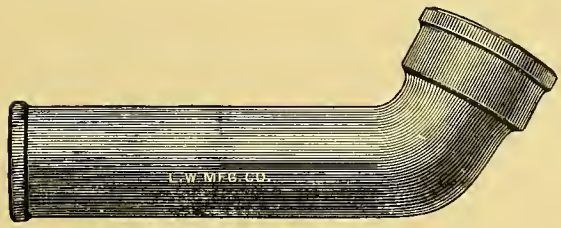
WITH HAND HOLE COVER AND FOOT-REST.



A—565.

	STANDARD.		EX. HEAVY.	
2 in., 14 in. in the clear,			$2.10	Dastard.
3 in., 15 in. in the clear,			3.20	Dataria.
4 in., 18 in. in the clear,	$3.75	Date.	4.50	Dash.
5 in., 18 in. in the clear,			5.25	Data.
6 in., 18 in. in the clear,			6.25	Datary.

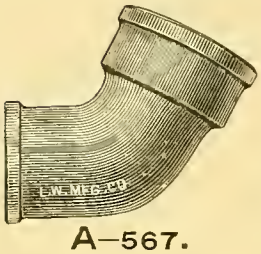
LONG SIXTH BEND.



A—566.

	EX. HEAVY.	
4 in., 18 in. in the clear,	$2.25	Dateless.

SIXTH BEND.



A—567.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.40	Datepalm.	$0.50	Datetree.
3 inch,	.55	Dater	.70	Dative.
4 inch,	.65	Datum.	1.10	Daub.
5 inch,	1.00	Dauber.	1.35	Daubery.
6 inch,	1.20	Daucus.	1.75	Daughter.
8 inch,	3.00	Dauk.	4.00	Daunt.

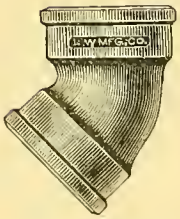
EIGHTH BEND.

A—568.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.35	Daunter.	$0.45	Dauphin.
3 inch,	.45	Davit.	.65	Davite.
4 inch,	.65	Davyne.	1.00	Daw.
5 inch,	.90	Dawdle.	1.20	Dawish.
6 inch,	1.05	Dawk.	1.40	Dawm.
8 inch,	2.75	Day.	3.75	Daybed.
10 inch,	3.75	Daybook.	5.00	Daybreak.
12 inch,	5.50	Daycoal.	7.50	Daybruds.

EIGHTH BEND.

DOUBLE HUBS.



A—569.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.70	Dayfly.	$0.80	Daylabor.
3 inch,	.85	Daylight.	1.00	Daylily.
4 inch,	.90	Daymaid.	1.30	Daymaire.

LONG EIGHTH BEND.

A—570.

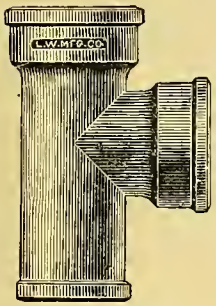
	EX. HEAVY.	
4 in., 18 in. in the clear,	$2.15	Daynet.

SIXTEENTH BEND.

A—571.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.35	Daypeep.	$0.45	Dayrule.
3 inch,	.45	Daysight.	.65	Daysman.
4 inch,	.65	Daystar.	1.00	Daytime.
5 inch,	.90	Daywork.	1.20	Daze.
6 inch,	1.05	Dazzle.	1.40	De.
8 inch,	2.75	Deacon.	3.75	Deaconry.

"T" BRANCH.

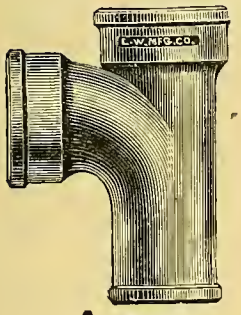


A—572.

	STANDARD.		EX. HEAVY.	
2 x 2 in.,	$0.40	Deceive.	$0.60	Deedy.
3 x 3 in.,	.55	Decent.	.80	Deem.
3 x 2 in.,	.55	Decept.	.80	Deep.
4 x 4 in.,	.75	Decern.	1.20	Deepen.
4 x 3 in.,	.75	Decerp.	1.20	Deeply.
4 x 2 in.,	.75	Decide.	1.20	Deer.
5 x 5 in.,	1.20	Decil.	1.50	Deess.
5 x 4 in.,	1.20	Deck.	1.50	Deev.
5 x 3 in.,	1.20	Decker.	1.50	Deface.
5 x 2 in.,	1.20	Declaim.	1.50	Defail.
6 x 6 in.,	1.40	Declare.	2.00	Defalk.
6 x 5 in ,	1.40	Decline.	2.00	Defame.
6 x 4 in.,	1.40	Deduct.	2.00	Default.
6 x 3 in.,	1.40	Deed.	2.00	Defeat.
6 x 2 in.,	1.40	Deedful.	2 00	Defect.

	STANDARD.		EX. HEAVY.	
8 x 8 in.,	$3.25	Defence.	$5.50	Defray.
8 x 6 in.,	3.25	Defend	5.50	Deft.
8 x 5 in.,	3.25	Defense.	5.50	Deftly.
8 x 4 in.,	3.25	Defer.	5.50	Defunct.
8 x 3 in.,	3.25	Deficit.	5.50	Defy.
8 x 2 in.,	3.25	Defier.	5.50	Deg.
10 x 10 in.,	6.50	Defile.	9.00	Degrade.
10 x 8 in.,	6.50	Defiler.	9.00	Degree.
10 x 6 in.,	6.50	Define.	9.00	Dehisce.
10 x 5 in.,	6.50	Defix.	9.00	Dehors.
10 x 4 in.,	6.50	Deflect.	9.00	Dehort.
10 x 3 in.,	6.50	Deflow.	9.00	Dehusk.
10 x 2 in.,	6.50	Defly.	9.00	Deific.
12 x 12 in., TO	10.00	Deform.	14.00	Deify.
12 x 2 in.,	10.00	Defoul.	14.00	Deign.

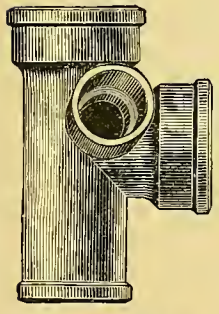
SANITARY "T" BRANCH.



A—573.

	STANDARD.		EX. HEAVY.	
2 x 2 inch,	$0.60	Deil.	$0.80	Delf.
3 x 3 inch,	.80	Deis.	1.25	Deliac.
3 x 2 inch,	.80	Deism.	1.25	Delight.
4 x 4 inch,	1.20	Deist.	1.60	Deline.
4 x 2 inch,	1.20	Deistic.	1.60	Dell.
5 x 5 inch,	1.60	Deity.	2.25	Delph.
5 x 4 inch,	1.60	Deject.	2.25	Delta.
5 x 2 inch,	1.60	Dejure.	2.25	Deltoid.
6 x 6 inch,	2.00	Dekle.	3.25	Delude.
6 x 4 inch,	2.00	Delate.	3.25	Deluge.
6 x 2 inch,	2.00	Delator.	3.25	Delve.

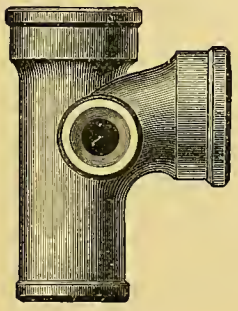
"T" BRANCH, WITH SIDE OUTLET.



A—574.

	STANDARD.		EX. HEAVY.	
4 x 4 inch, with 2 inch outlet,	$1.35	Deme.	$1.80	Demure.
4 x 3 inch, with 2 inch outlet,	1.35	Demean.	1.80	Demy.
4 x 2 inch, with 2 inch outlet,	1.35	Demerge.	1.80	Den.
5 x 5 inch, with 2 inch outlet,	1.80	Demerse.	2.10	Denary.
5 x 4 inch, with 2 inch outlet,	1.80	Demi.	2.10	Denay.
5 x 3 inch, with 2 inch outlet,	1.80	Demise.	2.10	Dendrite.
5 x 2 inch, with 2 inch outlet,	1.80	Demit.	2.10	Dengue.
6 x 6 inch, with 2 inch outlet,	2.00	Demitint	2.60	Denier.
6 x 5 inch, with 2 inch outlet,	2.00	Demon.	2.60	Denim.
6 x 4 inch, with 2 inch outlet,	2.00	Demonist.	2.60	Denize.
6 x 3 inch, with 2 inch outlet,	2.00	Demulce.	2.60	Denuet.
6 x 2 inch, with 2 inch outlet,	2.00	Demur.	2.60	Denote.

SANITARY "T" BRANCH, WITH SIDE OUTLET.



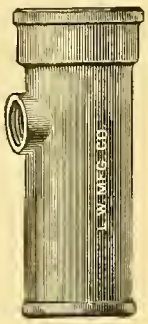
A—575.

	STANDARD.		EX. HEAVY.	
4 x 4 inch, with 2 inch outlet,	$1 80	Dense.	$2.20	Dentoid.
4 x 2 inch, with 2 inch outlet,	1.80	Dent.	2.20	Denude.
5 x 5 inch, with 2 inch outlet,	2.20	Dental.	2.85	Deny.
5 x 4 inch, with 2 inch outlet,	2.20	Dented.	2.85	Deodar.
5 x 2 inch, with 2 inch outlet,	2.20	Dentil.	2.85	Depaint.
6 x 6 inch, with 2 inch outlet,	2.60	Dentine.	3.85	Depart.
6 x 4 inch, with 2 inch outlet,	2.60	Dentist.	3.85	Depend.
6 x 2 inch, with 2 inch outlet,	2.60	Dentize.	3.85	Depict.

NOTE—A-574 "T" Branch and A-575 Sanitary "T" Branch will always be sent with **Outlet on Left-Hand Side** as shown, but can be furnished with the **Outlet on Right-Hand Side** when desired.

"T" BRANCH.

TAPPED.

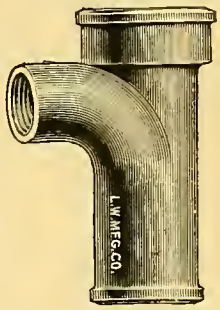


A—576.

2 x 1½ in. Thread,	$0.80	Deplete.
2 x 2 in. Thread,	.90	Deplore.
3 x 2 in. Thread,	1.80	Deplog.
4 x 2 in. Thread,	1.95	Depone

SANITARY "T" BRANCH.

TAPPED.

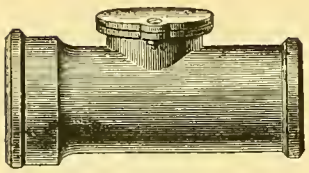


A—577.

2 x 1½ in. Thread,	$1.00	Deport.
2 x 2 in. Thread,	1.10	Depose.
3 x 2 in. Thread,	2.00	Depot.
4 x 1½ in. Thread,	2.00	Deprave.
4 x 2 in. Thread,	2.15	Depress.

"T" BRANCH.

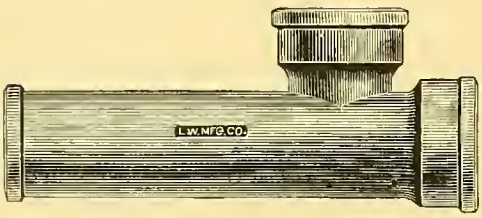
WITH HAND HOLE FOR CLEANING OUT.



A—578.

	STANDARD.		EX. HEAVY.	
2 x 2 inch,	$0.75	Deprive.	$1.00	Deraign.
3 x 3 inch,	1.00	Depth.	1.50	Derail.
4 x 4 inch,	1.25	Depulse	1.75	Derange.
5 x 5 inch,	1.75	Depure.	2.25	Deray.
6 x 6 inch,	2.25	Depute.	3.00	Derby.
8 x 8 inch,	5.00	Deputy.	7.50	Dere.

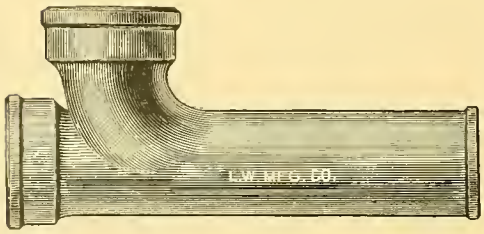
LONG "T" BRANCH.



A—579.

	STANDARD.		EX. HEAVY.	
4 x 4, 24 in. in the clear,	$2.00	Derelict.	$3.00	Dern.
4 x 4, 30 in. in the clear,	2.50	Deride.	3.75	Dernful.
4 x 4, 36 in. in the clear,	3.00	Derider.	4.25	Dernly.
5 x 4, 24 in. in the clear,	2.75	Derisive.	4.00	Derrick.
5 x 4, 30 in. in the clear,	3.50	Derivate.	5.00	Derring.
5 x 4, 36 in. in the clear,	4.25	Derive.	6.25	Dervis.
6 x 4, 24 in. in the clear,	3.50	Derm.	5.00	Dervish.
6 x 4, 30 in. in the clear,	4.50	Dermal	6.50	Desart.
6 x 4, 36 in. in the clear,	5.50	Dermic.	8.00	Desave.

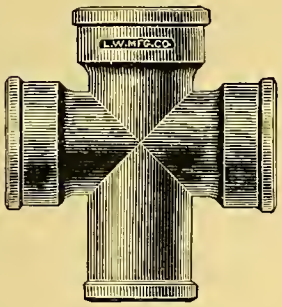
LONG SANITARY "T" BRANCH.



A—580.

	STANDARD.		EX. HEAVY.	
4 x 4, 24 in. in the clear,	$2.50	Descant.	$3.50	Desire.
4 x 4, 30 in. in the clear,	3.00	Descend.	4.25	Desist.
4 x 4, 36 in. in the clear,	3.50	Descent.	4.75	Desitive
5 x 4, 24 in. in the clear,	3.25	Describe.	4.75	Desk.
5 x 4, 30 in. in the clear,	4.00	Descry.	5.75	Desman.
5 x 4, 36 in. in the clear,	4.65	Desert.	7.00	Despair.
6 x 4, 24 in. in the clear,	4.25	Deserve.	6.25	Despise.
6 x 4, 30 in. in the clear,	5.25	Desight.	7.75	Despite.
6 x 4, 36 in. in the clear,	6.25	Design.	9.25	Despoil.

CROSS.

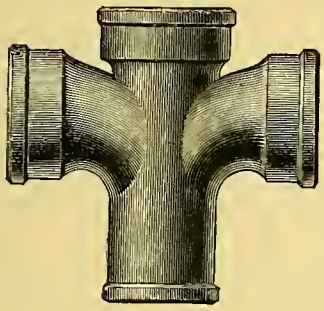


A—581.

	STANDARD.		EX. HEAVY.	
2 x 2 in.,	$0.80	Despond.	$1.00	Deterge.
3 x 3 in.,	1.10	Despot.	1.40	Detest.
3 x 2 in.,	1.10	Despnme.	1.40	Detort.
4 x 4 in.,	1.25	Dess.	1.75	Detour.
4 x 3 in.,	1.25	Destin.	1.75	Detract.
4 x 2 in.,	1.25	Destiny.	1.75	Detrnde
5 x 5 in.,	1.60	Destroy.	2.10	Detur.
5 x 4 in.,	1.60	Destruct.	2.10	Deturn.
5 x 3 in.,	1.60	Desume.	2.10	Deuce.
5 x 2 in.,	1.60	Detach.	2.10	Deuse.
6 x 6 in.,	2.50	Datail.	3.30	Devast.
6 x 5 in.,	2.50.	Detain.	3.30	Deve.
6 x 4 in.,	2.50	Detaste.	3.30	Devest
6 x 3 in.,	2.50	Detent.	3.30	Devex.
6 x 2 in.,	2.50	Deter.	3.30	Deviate.

	STANDARD.		EX. HEAVY.	
8 x 8 in.,	$5.00	Device.	$7 00	Devour.
8 x 6 in.,	5.00	Devil.	7.00	Devout.
8 x 5 in.,	5.00	Devise.	7.00	Devow.
8 x 4 in.,	5.00	Devisor	7.00	Dew.
8 x 3 in.,	5.00	Devoid.	7.00	Dewlap.
8 x 2 in.,	5.00	Devoir.	7.00	Dewless.
10 x 10 in.,	8.00	Devolve.	11.00	Dewey.
10 x 8 in.,	8.00	Devote.	11.00	Dexter.
12 x 12 in.,	14.00	Devoter.	18.00	Dextral.
12 x 8 in.,	14.00	Devoto.	18.00	Dey.

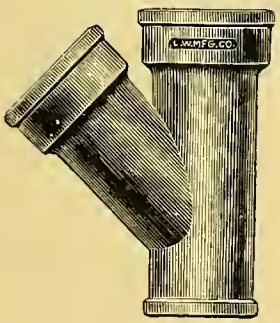
SANITARY CROSS.



A—582.

	STANDARD.		EX. HEAVY.	
2 x 2 in.,	$1.00	Di.	$1.25	Diamond.
3 x 3 in.,	1.25	Dia.	1.60	Diana.
3 x 2 in.,	1.25	Diabase.	1.60	Diapase.
4 x 4 in.,	1.65	Diadem.	2.00	Diaper.
4 x 2 in.,	1.65	Diadrom.	2.00	Diary.
5 x 5 in.,	2.25	Diagram.	3.00	Diatom.
5 x 2 in.,	2.25	Dial.	3.00	Diatribe.
6 x 6 in.,	3.00	Dialect.	4.00	Dib.
6 x 4 in.,	3.00	Dialing.	4.00	Dibber.
6 x 2 in.,	3.00	Diallel.	4.00	Dibble.

"Y" BRANCH.

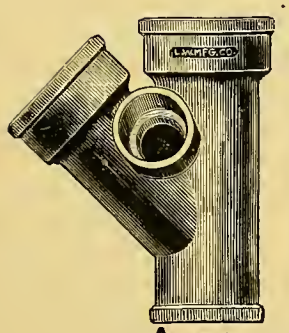


A—583.

	STANDARD.		EX. HEAVY.	
2 x 2 in.,	$0.60	Dibs.	$0.80	Dido.
3 x 3 in.,	.80	Dicast.	1.25	Didst.
3 x 2 in.,	.80	Dice.	1.25	Didus.
4 x 4 in.,	1.20	Dicer.	1.60	Didym.
4 x 3 in.,	1.20	Dick.	1.60	Die.
4 x 2 in.,	1.20	Dickens.	1.60	Diecian.
5 x 5 in.,	1.60	Dicker.	2.25	Diet.
5 x 4 in.,	1.60	Dickey.	2.25	Dieter.
5 x 3 in.,	1.60	Dictate.	2.25	Differ.
5 x 2 in.,	1.60	Dictator.	2.25	Diffide.
6 x 6 in.,	2.00	Diction.	3.25	Diffind.
6 x 5 in.,	2.00	Dictum.	3.25	Difform.
6 x 4 in.,	2.00	Did.	3.25	Diffract.
6 x 3 in.,	2.00	Didal.	3.25	Diffuse.
6 x 2 in.,	2.00	Didder.	3.25	Dig.

	STANDARD.		EX. HEAVY.	
8 x 8 in.,	$5.00	Digamy.	$8.00	Dim.
8 x 6 in.,	5.00	Digest.	8.00	Dimble.
8 x 5 in.,	5.00	Dight.	8.00	Dime.
8 x 4 in.,	5.00	Digit.	8.00	Dimish.
8 x 3 in.,	5.00	Digne.	8.00	Dimit.
8 x 2 in.,	5.00	Digram.	8.00	Dimity.
10 x 10 in.,	7 00	Digress.	11.00	Dimly.
10 x 8 in.,	7.00	Digue.	11.00	Dimmy.
10 x 6 in.,	7 00	Dike.	11.00	Dimple.
10 x 5 in.,	7.00	Diker.	11.00	Dimply.
10 x 4 in.,	7.00	Dilate.	11.00	Din.
10 x 3 in.,	7.00	Dilator.	11.00	Dinar.
10 x 2 in.,	7.00	Dill.	11.00	Dindle.
12 x 12 in.,	12.00	Dilly.	16.00	Dine.
12 x 10 in.,	12.00	Dilogy.	16.00	Ding.
12 x 8 in.,	12.00	Dilucid.	16.00	Dinghy.
12 x 6 in.,	12.00	Diluent.	16.00	Dingle
12 x 5 in.,	12.00	Dilute.	16.00	Dingo.
12 x 4 in.,	12.00	Dilve.	16.00	Dinner.

"Y" BRANCH, WITH TWO INCH SIDE OUTLET.



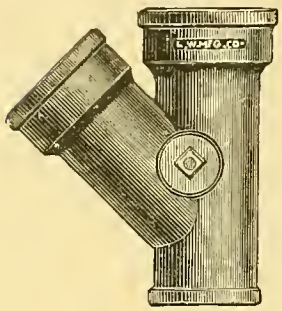
A—584.

WITH 2 IN. OUTLET.	STANDARD.		EX. HEAVY.	
4 x 4 in.,	$1.80	Dint.	$2.20	Dipody.
4 x 3 in.,	1.80	Diodon.	2.20	Dipolar.
4 x 2 in.,	1.80	Diorite.	2.20	Dips.
5 x 5 in.,	2.20	Diota.	2.85	Dipsas.
5 x 4 in.,	2.20	Dip.	2.85	Dipsetic.
5 x 3 in.,	2.20	Diploe.	2.85	Diptera.
5 x 2 in.,	2 20	Diplopy.	2.85	Dipteron.

WITH 2 IN. OUTLET.	STANDARD.		EX. HEAVY.	
6 x 6 in.,	$2.60	Diptote.	$3.85	Dirk.
6 x 5 in.,	2.60	Diptych.	3.85	Dirl.
6 x 4 in ,	2.60	Dire.	3.85	Dirt.
6 x 3 in.,	2.60	Direct.	3.85	Dirty.
6 x 2 in.,	2 60	Dirge.	3.85	Dis.

NOTE—A-584 "Y" Branch will always be sent with **Outlet on Right Hand** side as shown, but can be furnished with Outlet on left hand side when desired.

"Y" BRANCH.
WITH TRAP SCREW.

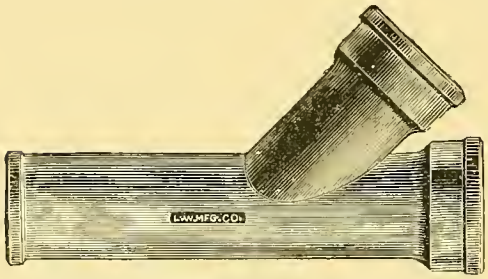


A—585.

	STANDARD.		EX. HEAVY.	
4 x 4, with 3 inch Brass Trap Screw,	$3.20	Disable.	$3.60	Disbind.
4 x 3, with 3 inch Brass Trap Screw,	3.20	Disard.	3.60	Disbad.
4 x 2, with 3 inch Brass Trap Screw,	3 20	Disarm.	3.60	Disburse.
5 x 5, with 3 inch Brass Trap Screw,	3.60	Disaster.	4 25	Disc.
5 x 4, with 3 inch Brass Trap Screw,	3.60	Disavow.	4.25	Discal.
5 x 3, with 3 inch Brass Trap Screw,	3 60	Disassent.	4.25	Discamp.
5 x 2, with 3 inch Brass Trap Screw,	3.60	Disband.	4.25	Discant.
6 x 6, with 4 inch Brass Trap Screw,	4.25	Disbar.	5.50	Discerp.
6 x 5, with 4 inch Brass Trap Screw,	4.25	Disbark.	5.50	Discert.
6 x 4, with 4 inch Brass Trap Screw,	4.25	Disbase.	5.50	Discharge.
6 x 3, with 4 inch Brass Trap Screw,	4.25	Disbench.	5.50	Discide.
6 x 2, with 4 inch Brass Trap Screw.	4 25	Disbend	5.50	Discind.

NOTE—A-585 "Y" Branch will always be sent with the **Trap Screw on Right Hand side** as shown, but can be furnished with Trap Screw on Left Hand side when desired.

LONG "Y" BRANCH.

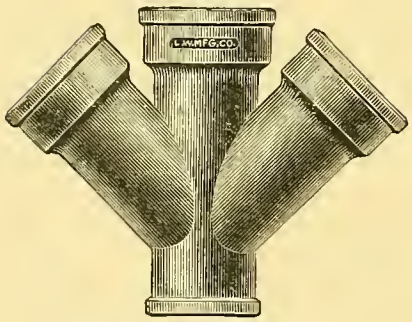


A—586.

	STANDARD.		EX. HEAVY.	
4 x 4, 24 in. in Clear,	$2.50	Disciple.	$3.50	Discrete.
4 x 4, 30 in. in Clear,	3.00	Disclaim.	4 75	Discrown.
4 x 4, 36 in. in Clear,	3.50	Discloak.	5.25	Discure.
5 x 4, 24 in. in Clear,	3.25	Disclose.	4.50	Discus.
5 x 4, 30 in. in Clear,	4.00	Discord.	5.50	Disdain.
5 x 4, 36 in. in Clear,	4.75	Discost.	6.75	Disinvite.
6 x 4, 24 in. in Clear,	4.25	Discoure.	6.00	Disjoint.
6 x 4, 30 in. in Clear,	5.25	Discous.	7.25	Disjunct.
6 x 4, 36 in. in Clear,	6.25	Discreet.	9.00	Disease.

This fitting (as also A-579 and 580) is particularly adapted for setting a number of Closets equal distances apart and not using any pipe.

DOUBLE "Y" BRANCH.

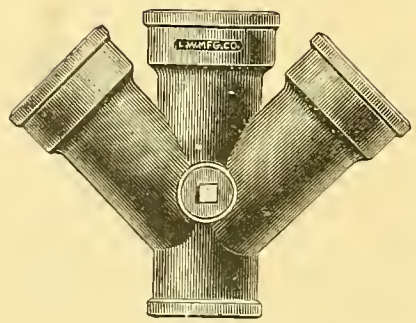


A—587.

	STANDARD.		EX. HEAVY.	
2 x 2,	$1.00	Disedge.	$1.25	Dishaunt.
3 x 3,	1.25	Disenter.	1.60	Disheir.
3 x 2,	1.25	Disentrail.	1.60	Dishelm.
4 x 4,	1.65	Disert.	2.00	Disherit.
4 x 3,	1.65	Disfancy.	2.00	Dishfui.
4 x 2,	1.65	Disfavor.	2.00	Dishorn.
5 x 5,	2.25	Disflesh.	3.00	Disbouse.
5 x 4,	2.25	Disfriar.	3.00	Disk.
5 x 3,	2.25	Disgage.	3.00	Dislade.
5 x 2,	2.25	Disgest.	3.00	Disleal.
6 x 6,	3.00	Disgorge.	4.00	Dislike.
6 x 5,	3.00	Disgrace.	4.00	Dislimb.
6 x 4,	3.00	Disguise.	4.00	Dislimn.
6 x 3,	3.00	Disgust.	4.00	Dislink.
6 x 2,	3.00	Dish.	4.00	Dislive.

	STANDARD.		EX. HEAVY.	
8 x 8,	$6.00	Dislodge.	$9.00	Disown.
8 x 6,	6.00	Disloyal.	9.00	Dispace.
8 x 5,	6.00	Dismail.	9.00	Dispair.
8 x 4,	6.00	Dismal.	9.00	Dispand,
8 x 3,	6.00	Disman.	9.00	Dispark.
8 x 2,	6.00	Dismask.	9.00	Dispart.
10 x 10,	9.00	Dismast.	14.00	Dispatch.
10 x 8,	9.00	Dismaw.	14.00	Dispel.
10 x 6,	9.00	Dismay.	14.00	Dispend.
10 x 5,	9.00	Disme.	14.00	Dispense.
10 x 4,	9.00	Dismiss.	14.00	Disperse.
10 x 3,	9 00	Dismount.	14.00	Displace.
10 x 2,	9.00	Disord.	14.00	Displant.

DOUBLE "Y" BRANCH.
WITH TRAP SCREW.



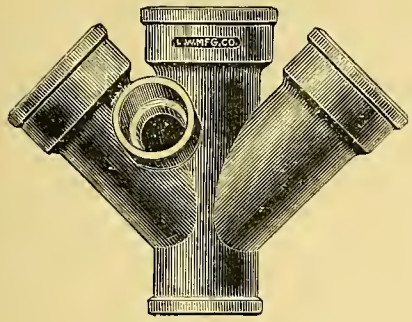
A—588.

	STANDARD.		EX. HEAVY.	
4 x 4, with 3 inch Brass Trap Screw,	$3.65	Displat.	$4.00	Dispute.
4 x 3, with 3 inch Brass Trap Screw,	3.65	Display.	4.00	Disrauge.
4 x 2, with 3 inch Brass Trap Screw,	3.65	Disple.	4.00	Disrank.
5 x 5, with 3 inch Brass Trap Screw,	4.25	Displease.	5.00	Disray.
5 x 4, with 3 inch Brass Trap Screw,	4.25	Displode.	5.00	Disrobe.
5 x 3, with 3 inch Brass Trap Screw,	4.25	Dispone.	5.00	Disroot.
5 x 2, with 3 inch Brass Trap Screw,	4.25	Disponge.	5.00	Disrout.
6 x 6, with 4 inch Brass Trap Screw,	5.25	Disport.	6.25	Disseat.
6 x 5, with 4 inch Brass Trap Screw,	5.25	Dispose.	6.25	Dissect.
6 x 4, with 4 inch Brass Trap Screw,	5.25	Dispost.	6.25	Dissent.
6 x 3, with 4 inch Brass Trap Screw,	5.25	Dispread.	6.25	Disser.
6 x 2, with 4 inch Brass Trap Screw,	5.25	Disprince.	6.25	Disship

A-588 Double "Y" Branch with Trap Screw, larger than 6 inch can be furnished when desired.

DOUBLE "Y" BRANCH.

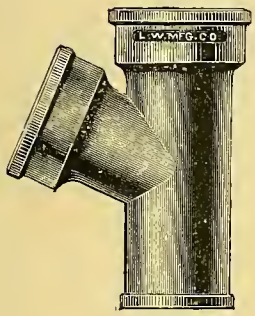
WITH SIDE OUTLET.



A—589.

	STANDARD.		EX. HEAVY.	
4 x 4, with 2 inch Outlet,	$2.25	Dissite.	$2.50	Distort.
4 x 3, with 2 inch Outlet,	2.25	Dissolve.	2.50	Distract.
4 x 2, with 2 inch Outlet,	2.25	Distaff.	2.50	Distrain.
5 x 5, with 2 inch Outlet,	2.85	Distain.	3.60	Distress.
5 x 4, with 2 inch Outlet,	2.85	Distal.	3.60	District.
5 x 3, with 2 inch Outlet,	2.85	Distant.	3.60	Distrust.
5 x 2, with 2 inch Outlet,	2.85	Distaste.	3.60	Distune.
6 x 6, with 2 inch Outlet,	3.60	Distend.	4.60	Disturb.
6 x 5, with 2 inch Outlet,	3.60	Distent.	4.60	Disturn.
6 x 4, with 2 inch Outlet,	3.60	Dister.	4.60	Distyle.
6 x 3, with 2 inch Outlet,	3.60	Distich.	4.60	Disuse.
6 x 2, with 2 inch Outlet,	3.60	Distill.	4.60	Diswort.

HALF "Y" BRANCH.



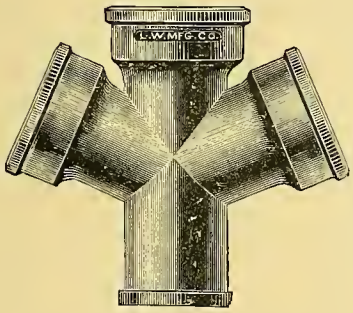
A—590.

	STANDARD.		EX. HEAVY.	
2 x 2,	$0.60	Dit.	$0.80	Dive.
3 x 3,	.80	Ditch.	1.25	Divel.
3 x 2,	.80	Dite.	1.25	Diver.
4 x 4,	1.20	Dition.	1.60	Diverb.
4 x 3,	1.20	Ditone.	1.60	Diverge.
4 x 2,	1.20	Dittied.	1.60	Divers.
5 x 5,	1.60	Ditto.	2.25	Diverse.
5 x 4,	1.60	Ditty.	2.25	Divert.
5 x 3,	1.60	Divan.	2.25	Divest.
5 x 2,	1.60	Divast.	2.25	Divide.

	STANDARD.		EX. HEAVY.	
6 x 6,	$2.00	Divine.	$3.25	Doat.
6 x 5,	2.00	Diviner.	3.25	Dobber.
6 x 4,	2.00	Divorce.	3.25	Dobbin.
6 x 3,	2.00	Divulge.	3.25	Dobchick.
6 x 2,	2.00	Dizen.	3.25	Dobule.
8 x 8,	5.00	Dizz.	8.00	Docent.
8 x 6,	5.00	Dizzy.	8.00	Docetic.
8 x 5,	5.00	Do.	8.00	Docible.
8 x 4,	5.00	Doall.	8.00	Docile.
8 x 2,	5.00	Doand.	8.00	Docity.

This Fitting is also made with 2 inch Outlet, similar to A–575.

DOUBLE HALF "Y" BRANCH.



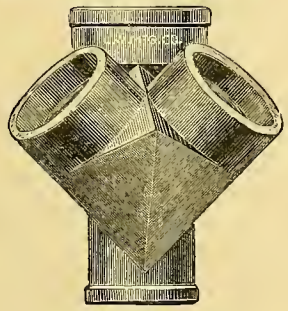
A—591.

	STANDARD.		EX. HEAVY.	
2 x 2,	$1.00	Dock.	$1.25	Dodman.
3 x 3,	1.25	Dockage.	1.60	Dodo.
3 x 2,	1.25	Docket.	1.60	Dodrans.
4 x 4,	1.65	Doctor.	2.00	Doe.
4 x 3,	1 65	Doctrine.	2.00	Doeskin.
4 x 2,	1.65	Dodd.	2.00	Doer
5 x 5,	2.25	Dodder.	3.00	Does.
5 x 4,	2.25	Dodge.	3.00	Doff.
5 x 3,	2.25	Dodger.	3.00	Doffer.
5 x 2,	2.25	Dodkin.	3.00	Dog.

	STANDARD.		EX. HEAVY.	
6 x 6,	$3.00	Dogal.	$4.00	Dogeless.
6 x 5,	3 00	Dogate.	4.00	Dogfish.
6 x 4,	3.00	Dogbane.	4.00	Dogfly.
6 x 3,	3.00	Dogbee.	4.00	Dogfox.
6 x 2,	3.00	Dogbolt.	4.00	Dogged.
8 x 8,	6.00	Dogcart.	9.00	Dogger.
8 x 6,	6 00	Dogday.	9.00	Doggish.
8 x 5,	6 00	Dogdraw.	9.00	Doggrel.
8 x 4,	6.00	Doge.	9.00	Dogly.
8 x 2,	6.00	Dogeate.	9.00	Dogma

This Fitting is also made with 2 inch Outlet similar to A–589.

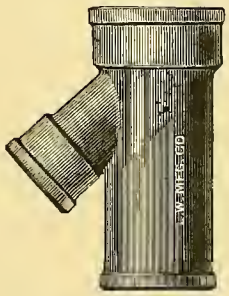
DOUBLE ANGLE "Y."



A—592.

	STANDARD.		EX. HEAVY.	
4 x 4 inch,	$3.50	Dogrose.	$4.50	Dogstar.
5 x 4 inch,	4.50	Dogship.	5.75	Dogtooth.
6 x 4 inch,	5.75	Dogsick.	7.25	Dogtrick.

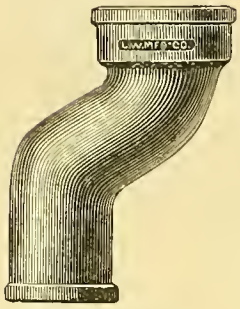
INVERTED "Y" BRANCH.



A—593.

	STANDARD.		EX. HEAVY.	
4 x 2 inch,	$1.50	Dogtrot.	$2.00	Dogvane.

OFFSETS.



A—594.

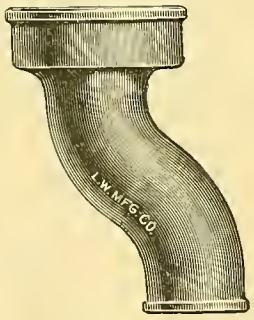
SIZE TO OFFSET.	STANDARD		EX. HEAVY.		SIZE TO OFFSET.	STANDARD.		EX. HEAVY.	
2 x 2,	$0 40	Dogwood.	$0.60	Doltish.	4 x 12,	$1.40	Donate.	$1.80	Doole.
2 x 4,	.50	Doily.	.90	Dom.	4 x 14,	1.65	Donator.	2.00	Dooley.
2 x 6,	.60	Doit.	1.00	Domage.	4 x 16,	1.80	Donax.	2.25	Doom.
2 x 8,	.70	Dolce.	1.10	Domain.	4 x 18,	2.15	Done.	2.80	Door.
2 x 10,	.80	Dole.	1.20	Domal.	4 x 20,	2.25	Donee.	3.00	Doorga.
2 x 12,	.85	Doleful.	1.25	Dome.	5 x 4,	1.40	Donet.	1.80	Dooring.
3 x 4,	.75	Dolent.	1.10	Domett.	5 x 6,	1.60	Doni.	2.00	Dop.
3 x 6,	.80	Dolif.	1.20	Domify.	5 x 8,	1.80	Donjon.	2.25	Dopper.
3 x 8,	.90	Dolinm.	1.35	Domina.	5 x 12,	2.00	Donkey.	2.50	Doquet.
3 x 10,	.95	Doll.	1.40	Domine.	5 x 16,	2.40	Donna.	3.00	Dor.
3 x 12,	1.00	Dolly.	1.45	Domino.	6 x 4,	2.00	Donnat.	3.00	Dorado.
4 x 2,	.70	Dollar.	1.10	Domite.	6 x 6,	2.25	Donship.	3.25	Doree.
4 x 4,	.85	Dolor.	1.25	Don.	6 x 8,	2.40	Donzel.	3.50	Doric.
4 x 6,	1 00	Dolmen.	1.40	Dona.	6 x 10,	2.60	Doodle.	3.75	Dorism.
4 x 8,	1.15	Dolphin.	1.50	Donary.	6 x 12,	2.75	Dook.	4.00	Doris.
4 x 10,	1.25	Dolt.	1.60	Donat.					

OFFSETS.

WITH TWO INCH OUTLETS.

A—595.

SIZE TO OFFSET.	STANDARD.		EX. HEAVY.	
4 x 4,	$1.15	Dormant.	$1.55	Dorrer.
4 x 6,	1.30	Dormer.	1.70	Dorsal.
4 x 8,	1.45	Dorn.	1.80	Dorse.
4 x 10,	1.55	Dornic.	1.90	Dorser.
4 x 12,	1.70	Dornock.	2.10	Dorsum.
4 x 14,	1.95	Doron.	2.30	Dortour.
4 x 16,	2.10	Dorp.	2.55	Dory.
4 x 20,	2.55	Dorr.	3.30	Dose.

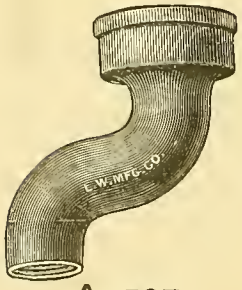


A—596.

INCREASERS AND OFFSET.

FOR CALKING.

2 x 4, with 6 inch Offset,	$2.00	Dosel.
3 x 4, with 6 inch Offset,	2.80	Dosser.
4 x 5, with 6 inch Offset,	3.00	Dossil.
4 x 6, with 6 inch Offset,	3.25	Dost.
6 x 8, with 6 inch Offset,	4.00	Dot.

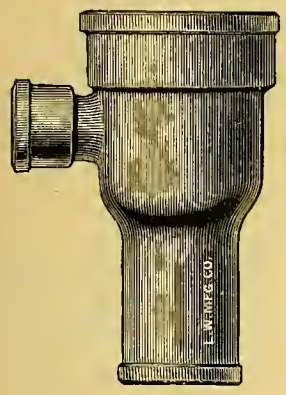


A—597.

INCREASER AND OFFSET.

TAPPED.

1½ x 4, with 6 inch Offset,	$2.10	Dotage.
2 x 4, with 6 inch Offset,	2.25	Dotal.



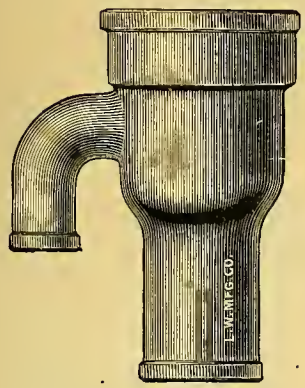
A—598.

INCREASER AND VENTILATING BRANCH.

WITH STRAIGHT SIDE OUTLET.

FOR CALKING.

4 x 6, with 2 inch Outlet,	$3.00 Dotant.
4 x 6, with 3 inch Outlet,	$3.75 Dotard.



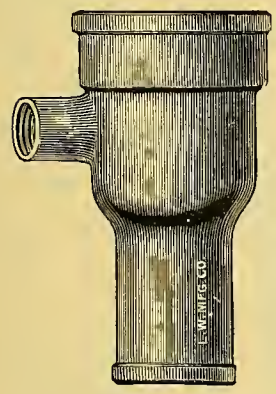
A—599.

INCREASER AND VENTILATING BRANCH.

WITH SIDE OUTLET.

FOR CALKING.

4 x 6, with 2 inch Side Outlet,	$3.25 Dote.



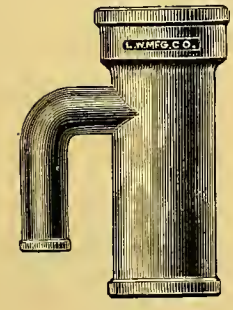
A—600.

INCREASER AND VENTILATING BRANCH.

WITH STRAIGHT SIDE OUTLET.

TAPPED.

4 x 6, Tapped for 1½ in. Pipe,	$3.65 Doted.
4 x 6, Tapped for 2 in. Pipe,	$3.50 Doter.
4 x 6, Tapped for 3 in. Pipe,	$4.25 Doth.



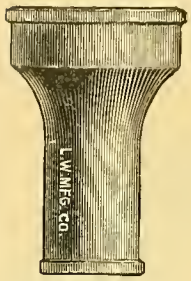
A—601.

VENTILATING BRANCH.

WITH SIDE OUTLET.

	STANDARD.	EX. HEAVY.
2 x 2 inch,	$0.80 Dotish.	1.25 Doubt.
3 x 2 inch,	$1.25 Dotted.	1.75 Doubter.
4 x 2 inch,	$1.50 Dottrel.	2.00 Douc.
5 x 2 inch,	$2.00 Donane.	2.75 Douced.
5 x 4 inch,	$2.00 Double.	2.75 Doucet.
6 x 4 inch,	$3.00 Doublet.	4.00 Dowset.
8 x 4 inch,	$6.00 Doubloon.	8.50 Douche.
8 x 5 inch,	$6.00 Doubly.	8.50 Dough.

INCREASERS.

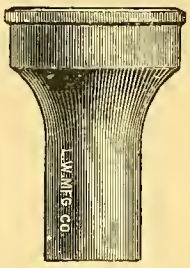


A–602.

	STANDARD.		EX. HEAVY.	
2 inch to 3 inch,	$0.70	Doughty.	$1.00	Dow.
2 inch to 4 inch,	.75	Dour.	1.10	Dowcet.
2 inch to 5 inch,	.80	Doura.	1.15	Dowdy.
3 inch to 4 inch,	.90	Douse.	1.40	Dowel.
3 inch to 5 inch,	1.00	Dout.	1.50	Dower.
4 inch to 5 inch,	1.15	Douter.	1.60	Dowl.
4 inch to 6 inch,	1.25	Dove.	1.75	Dowlas.
5 inch to 6 inch,	1.50	Dovelet.	2.00	Dowle.
6 inch to 8 inch,	2.00	Dovish.	2.75	Down.

INCREASER.

TAPPED.



A–603.

1½ inch to 4 inch,	$1.35	Downy.
2 inch to 4 inch,	1.45	Dowral.

SHORT INCREASER.

TAPPED.

A–604.

1½ inch to 4 inch,	$1.20	Dowress.
2 inch to 4 inch,	1.20	Dowry.

LONG INCREASERS.

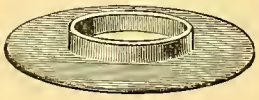
FOR CALKING.

A–605.

2 inch to 4 inch, 26 inches long,	$2.50	Dowse.
3 inch to 4 inch, 26 inches long,	2.60	Dowser.
4 inch to 5 inch, 30 inches long,	4.25	Dowst.
5 inch to 6 inch, 36 inches long,	6.00	Doxy.

Can also be furnished with Side Outlet.

ROOF PLATES.



A–606.

4 inch,	$0.50	Doze.
5 inch,	1.00	Dozer.
6 inch,	1.25	Dozy.
8 inch,	2.00	Drab.

LONG INCREASERS.

TAPPED.

A–607.

1½ inch to 4 inch, 24 inches long,	$2.50	Drabber.
2 inch to 4 inch, 24 inches long,	$2.60	Drabbish.

Can also be furnished with Side Outlet.

NOTE—A-605 and A-607 can be furnished with **two Side Outlets** if desired.

REDUCERS.

A—608.

	STANDARD.		EX. HEAVY.	
3 inch to 2 inch,	$0.45	Drabble.	$0.55	Drake.
4 inch to 2 inch,	.50	Drabbler.	.60	Dram.
5 inch to 2 inch,	.70	Dracbm.	.80	Drama.
5 inch to 3 inch,	.70	Dracine.	.80	Drank.
5 inch to 4 inch,	.70	Draca.	.80	Drap.
6 inch to 2 inch,	.80	Drad.	.90	Drape.
6 inch to 3 inch,	.80	Draff.	.90	Draper.
6 inch to 4 inch,	.80	Draffy.	.90	Drastic.
8 inch to 3 inch,	1.60	Draft.	2.20	Draugh.
8 inch to 4 inch,	1.60	Drag.	2.20	Draught.
8 inch to 5 inch,	1.60	Draggle.	2.20	Drave.
8 inch to 6 inch,	1.60	Dragon.	2.20	Draw.
10 inch to 6 inch,	2.50	Dragoon.	4.00	Drawee.
10 inch to 8 inch,	2.50	Drail.	4.00	Drawer.
12 inch to 6 inch,	5.00	Drain.	7.00	Drawl.
12 inch to 8 inch,	5.00	Drainage.	7.00	Drawnet.
12 inch to 10 inch,	5.00	Drainer.	7.00	Dray.

SINGLE HUBS.

A—609.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.25	Drazel.	$0.35	Dredge.
3 inch,	.35	Dread.	.40	Dredger.
4 inch,	.40	Dreader.	.50	Dree.
5 inch,	.60	Dreadly.	.75	Dreelite.
6 inch,	.75	Dream.	1.00	Dreg.
8 inch,	1.40	Dreamer.	3.00	Dreggy.
10 inch,	2.50	Drear.	4.00	Drein.
12 inch,	5.00	Dreary.	7.00	Drench.

DOUBLE HUBS.

A—610.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.30	Drent.	$0.40	Drib
3 inch,	.45	Dress.	.55	Dribble.
4 inch,	.65	Dresser.	.75	Driblet.
5 inch,	.75	Dressy.	.90	Drie.
6 inch,	.80	Drest.	1.15	Drier.
8 inch,	1.50	Dretch.	3.50	Drift.
10 inch,	2.50	Dreul.	4.00	Drill.
12 inch,	5.00	Drey.	7.00	Drilling.

STRAIGHT SLEEVES.

A—611.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.30	Drimys.	$0.40	Drofland.
3 inch,	.45	Drink.	.55	Droger.
4 inch,	.65	Drip.	.75	Droil.
5 inch,	.75	Drive	.90	Droit.
6 inch,	.80	Drivel.	1.15	Droll.
8 inch,	1.50	Driven	3.50	Drone.
10 inch,	2.50	Drizzle.	4.00	Dronga.
12 inch,	5.00	Drock.	7.00	Dronish.

THIMBLES.

A—612.

	PLAIN.		GALVANIZED.	
2 inch,	$0.15	Drony.	$0.25	Dropper.
3 inch,	.25	Drool.	.40	Dropsy.
4 inch,	.30	Droop.	.50	Droptin
5 inch,	.35	Drooper.	.60	Drosky.
6 inch,	.45	Droplet.	.75	Dross.

PLUGS OR STOPPERS.

A—613.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.15	Drossel.	$0.25	Drown.
3 inch,	.25	Drossy.	.35	Drowner.
4 inch,	.30	Drougbt.	.40	Drowse.
5 inch,	.35	Droumy.	.50	Drowsy.
6 inch,	.50	Drouth.	.65	Drowth.
8 inch,	1.20	Drove.	1.50	Drub.
10 inch,	2.00	Droven.	3.00	Drubben.
12 inch,	3.00	Drovy.	4.00	Drudge.

PIPE HOOKS.

A—614.

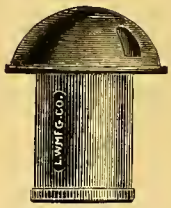
2 inch,	$0.08	Drudger.
3 inch,	.10	Drug.
4 inch,	.12	Druid.
5 inch,	.15	Drum.
6 inch,	.20	Drumble.
8 inch,	.40	Drumly.

LONG VENTILATING CAPS.

A—615.

4 inch, 12 inches long,	$1.25	Drunk.

VENTILATING CAPS.



A—616.

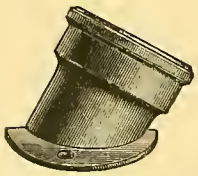
	STANDARD.		EX. HEAVY.	
2 inch,	$0.40	Drunken.	$0.50	Drupe.
3 inch,	.60	Druse.	.75	Drusy.
4 inch,	.80	Drused.	1.25	Druxey.
5 inch,	1.10	Druze.	2.50	Dry.
6 inch,	1.50	Dryad.	3.50	Dryas.

"T" SADDLE HUBS.

A—617.

	STANDARD.		EX. HEAVY.	
2 x 2 inch,	$0.30	Dryer.	$0.40	Duct.
3 x 3 inch,	.50	Dryite.	.65	Ductile.
3 x 2 inch,	.50	Dryly.	.65	Ductor.
4 x 4 inch,	.60	Dryos.	.80	Dudder.
4 x 3 inch,	.60	Dryrot.	.80	Dudgeon.
4 x 2 inch,	.60	Dryvat.	.80	Duds.
5 x 5 inch,	.75	Duad.	1.00	Due.
5 x 4 inch,	.75	Dual.	1.00	Dueful.
5 x 3 inch,	.75	Duan.	1.00	Duel.
5 x 2 inch,	.75	Dub.	1.00	Dueler.
6 x 6 inch,	1.10	Ducal.	1.40	Duelist.
6 x 5 inch,	1.10	Ducat.	1.40	Duello.
6 x 4 inch,	1.10	Ducbess.	1.40	Duena.
6 x 3 inch,	1.10	Duchy.	1.40	Dueness.
6 x 2 inch,	1.10	Duck.	1.40	Duet.

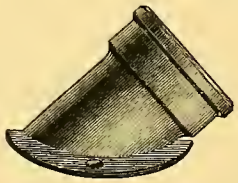
HALF "Y" SADDLE HUBS.



A—618.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.35	Duff.	$0.45	Dugong.
3 inch,	.55	Duffel.	.70	Dugout.
4 inch,	.70	Duffer.	.90	Duke.
5 inch,	.90	Duffle.	1.15	Dulce.
6 inch,	1.25	Dug.	1.55	Dul.

"Y" SADDLE HUBS.



A—619.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.35	Dulcet.	$0.45	Dunker.
3 inch,	.55	Duledge.	.70	Dunlin.
4 inch,	.70	Duncish.	.90	Dunlop.
5 inch,	.90	Dunder.	1.15	Dunner.
6 inch,	1.25	Dune.	1.55	Dunny.

PIPE RESTS.

A—620.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.30	Dunt.	$0.40	Duplex.
3 inch,	.40	Dunted.	.55	Dupper.
4 inch,	.50	Duo.	.65	Dur.
5 inch,	.60	Dup.	.80	Durable.
6 inch,	.70	Dupe.	1.00	Durably.
8 inch,	1.10	Dupion.	1.75	Durance.
10 inch,	1.75	Duple.	2.50	Durant.

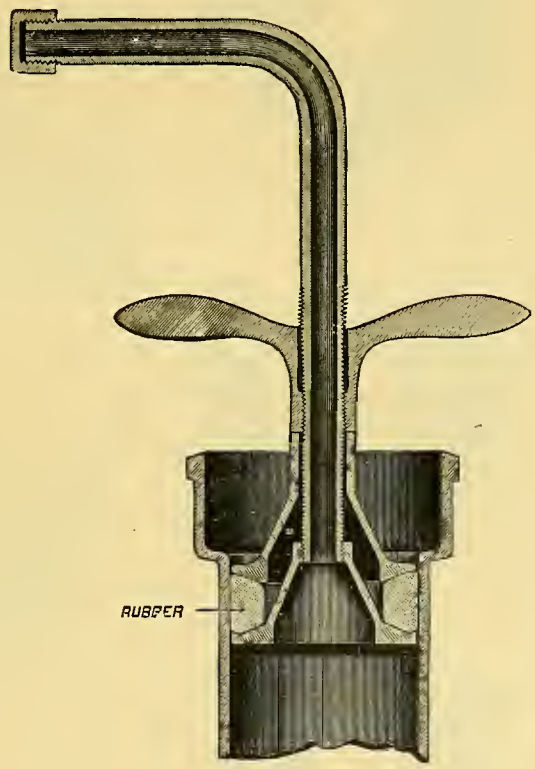
A—621.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.65	Durate.	$0.75	Durio.
3 inch,	.85	Durbar.	1.00	Durion.
4 inch,	1.00	Dure.	1.15	Durity.
5 inch,	1.20	Dureful.	1.40	Duros.
6 inch,	1.45	Duress.	1.75	Durra.
8 inch,	2.35	Durga.	3.00	Durst.
10 inch,	3.60	During.	4.35	Duse.

WOLFF'S SOIL PIPE PLUG.

SECTIONAL VIEW.

A—622.

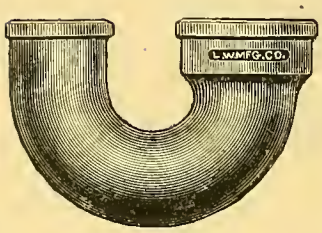


A—623.

Size,	2	3	4	5	6	8 in.
Price, each,	$1.00 Eadish.	1.25 Eager.	1.50 Eagle.	2.00 Eagless.	2.50 Eaglet.	4.00 Eagre.

This plug will fit **Standard or Extra Heavy Pipe;** a perfectly tight joint can be made in a very short time, no matter how rough or uneven the pipe. The Rubber Ring is of the very best quality, and on account of its shape and that of the flanges compressing it, will retain its elasticity and last longer than any other made.

GREEN-HOUSE PIPE FITTINGS.

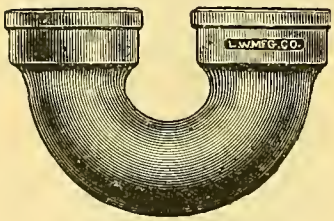


A—624.

RETURN BENDS.

SINGLE HUB.

	STANDARD.	EX. HEAVY.
2 inch,	$0.65 Eame.	.75 Ean.
3 inch,	$0.85 Ear.	1.10 Earl.
4 inch,	$1.25 Earlap.	1.75 Early.
5 inch,	$2.00 Earn.	2.75 Earnest.
6 inch,	$3.00 Earsh.	4.00 Earst.

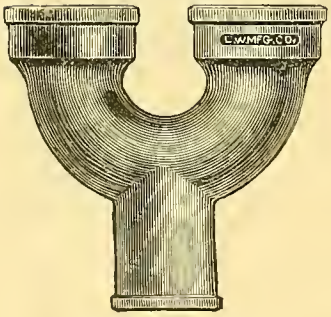


A—625.

RETURN BENDS.

DOUBLE HUBS.

	STANDARD.	EX. HEAVY.
4 inch,	$1.50 Earth.	2.00 Earthy.

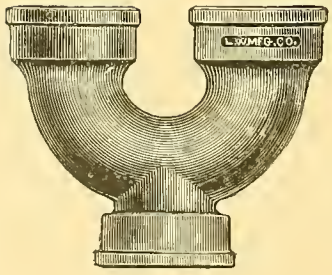


A—626.

RETURN BENDS.

SPIGOT OUTLET.

4 inch . . . . . $1.75 Easy.



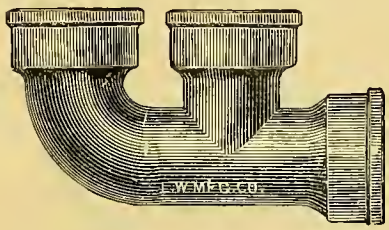
A—627.

RETURN BENDS.

WITH HUB ON OUTLET.

4 inch, ... $1.75 Earwig.

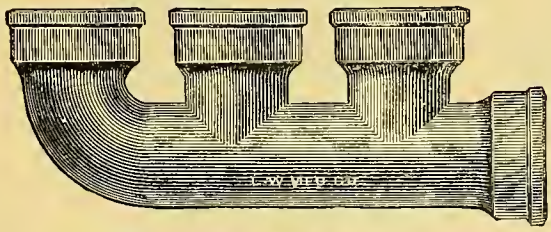
DOUBLE ELBOWS.



A—628.

4 inch, ... $2.00 Ease.

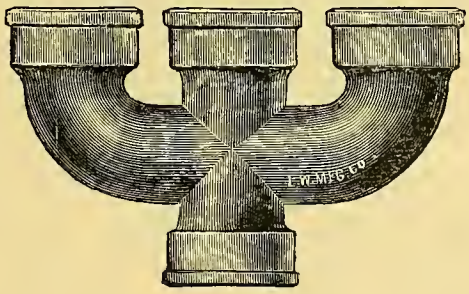
TRIPLE ELBOWS.



A—629.

4 inch. . . . . $2.75 Easel.

THREE-WAY BRANCHES.

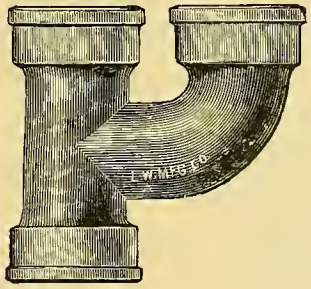


A—630.

4 inch, ... $2.75 Easily.

"H" BRANCH.

THREE HUBS.



A—631.

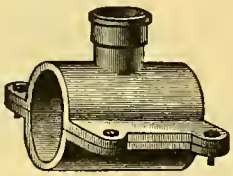
4 inch, ... $1.75 Easiness.

PIPE BANDS.

A—632.

2 inch,	$0.45 East.	5 inch,	$1.00 Eat.
3 inch,	.55 Easter.	6 inch,	1.40 Eater.
4 inch,	.70 Easting.	8 inch,	2.25 Eath.

PIPE BANDS, WITH OUTLET.

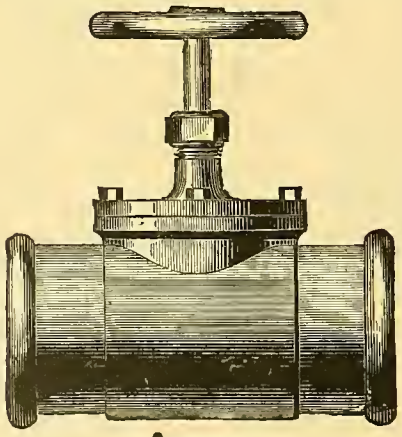


A—634.

2 x 2 inch,	$0.75 Eaves.
3 x 3 inch,	.90 Ebb.
3 x 2 inch,	.90 Ebon.
4 x 4 inch,	1.10 Echo.
4 x 3 inch,	1.10 Eclat.
4 x 2 inch,	1.10 Eclipse.
5 x 5 inch,	1.45 Eclogue.
5 x 4 inch,	1.45 Ectype.
5 x 3 inch,	1.45 Edda.
5 x 2 inch,	1.45 Edder.
6 x 6 inch,	1.90 Eddish.
6 x 5 inch,	1.90 Eddy.
6 x 4 inch,	1.90 Eden.
6 x 3 inch,	1.90 Ebony.
6 x 2 inch,	1.90 Edge.

GREEN-HOUSE VALVE.

HAS 4 INCH WATERWAY.



A—637.

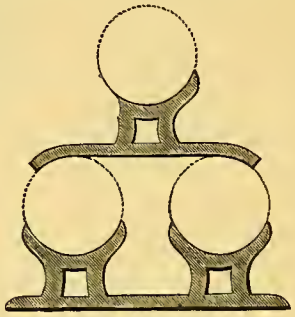
4 inch, Net, ... $6.00 Edify.

PIPE CHAIRS.

A—633.

4 inch, for 2 Pipes, ... $0.25 Edging.

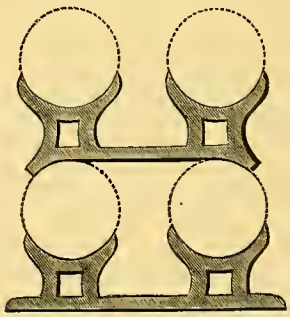
PIPE CHAIRS.



A—635.

4 inch, for 3 Pipes, ... $0.50 Edgy.

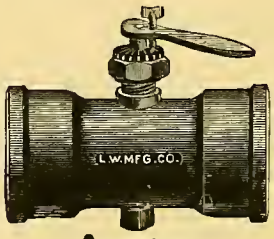
PIPE CHAIRS.



A—636.

4 inch, for 4 Pipes, ... $0.75 Edict.

GREEN-HOUSE BUTTERFLY VALVE.



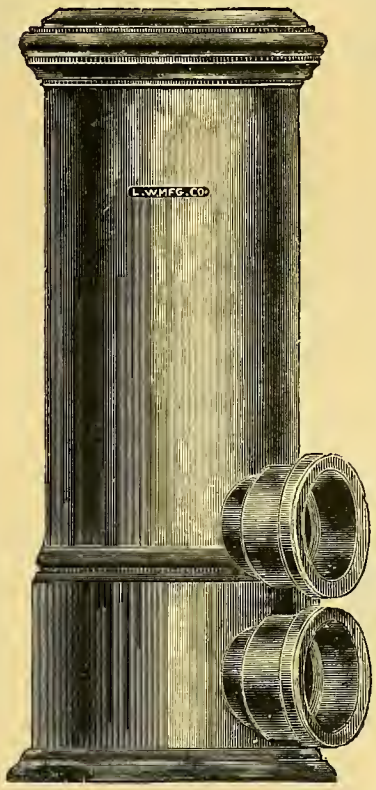
A—638.

4 inch, Net, ... $3.50 Edile.

EXPANSION TANKS.

FOR GREEN-HOUSES.

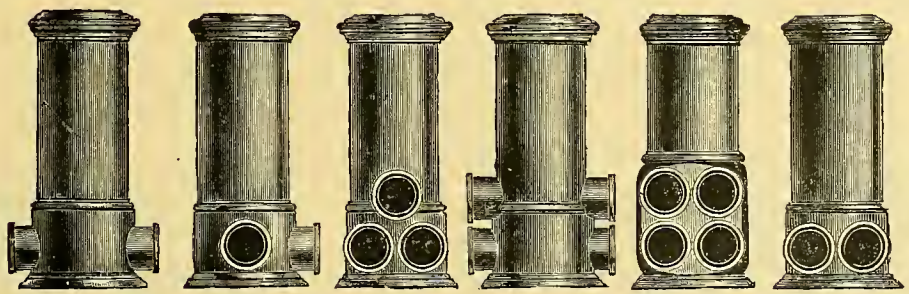
No. 1.



A–639.

No. 1; Height, 48 inches; Diameter, 10 inches; 2 Outlets, ... $13.00 Edit.

No. 2. No. 3. No. 4. No. 5. No. 6. No. 7.



No. 2; Height, 48 inches; Diameter, 10 inches; 2 Outlets, ... $13.00 Editor.

No. 3; Height, 48 inches; Diameter, 10 inches; 2 Outlets, ... $13.00 Educe.

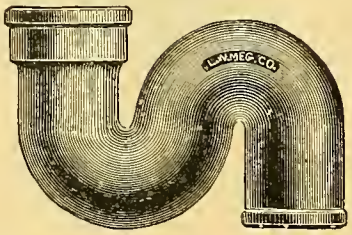
No. 4; Height, 48 inches; Diameter, 10 inches; 3 Outlets, ... $14.00 Educt.

No. 5; Height, 48 inches; Diameter, 10 inches; 4 Outlets, ... $15.00 Elk.

No. 6; Height, 48 inches; Diameter, 10 inches; 4 Outlets, ... $15.00 Ecl.

No. 7; Height, 48 inches, Diameter, 10 inches; 2 Outlets, ... $13.00 Eelpot.

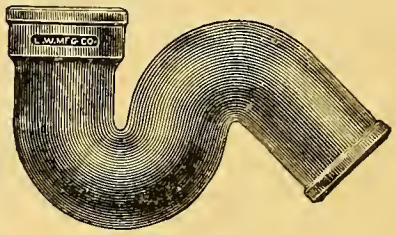
"S" TRAPS.
PLAIN.



A—640.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.80	Eeon.	$1.25	Efflux.
3 inch,	1.25	Eer.	2.00	Efforce.
4 inch,	1.75	Efface.	2 75	Efform
5 inch,	3.00	Effete.	4.00	Effort.
6 inch,	4.00	Efflate	5.50	Effray.

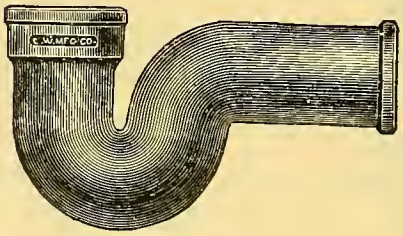
THREE-QUARTER "S" TRAPS.
PLAIN.



A—641.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.80	Effume.	$1.25	Egest.
3 inch,	1.25	Effund.	2.00	Egg.
4 inch,	1.75	Effuse.	2.75	Egger.
5 inch,	3.00	Eft.	4.00	Egma.
6 inch,	4.00	Eger.	5.50	Egoist.

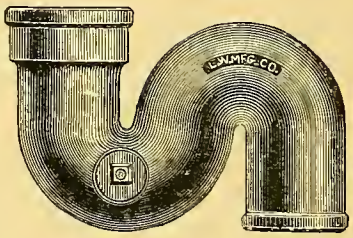
HALF "S" TRAPS.
PLAIN.



A—642.

	STANDARD.		EX. HEAVY.	
2 inch,	$0.80	Egoity.	$1.25	Ehlite.
3 inch,	1.25	Egress.	2.00	Eider.
4 inch,	1.75	Egret.	2.75	Eigh.
5 inch,	3.00	Egriot.	4.00	Eight.
6 inch,	4.00	Eh.	5.50	Eighth.

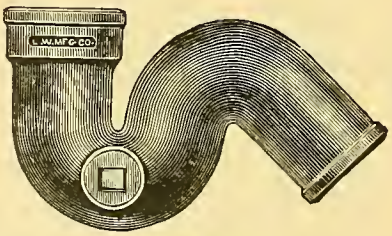
"S" TRAPS.
WITH BRASS SCREW.



A—643.

	STANDARD.		EX. HEAVY.	
2 in., with 1½ in. Screw,	$3.30	Eighty.	$3.75	Eiscl.
3 in., with 2 in. Screw,	3.75	Eigne.	4.50	Either.
4 in., with 3 in. Screw,	4.25	Eikon.	5.25	Eject.
5 in., with 3 in. Screw,	5.50	Eild.	6.50	Ekc.
6 in., with 4 in. Screw,	6.50	Eirie.	8.00	Ela.

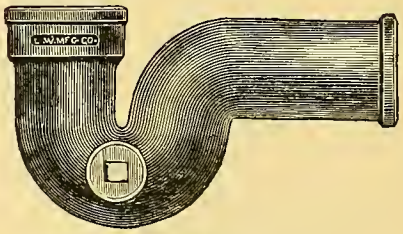
THREE-QUARTER "S" TRAPS.
WITH BRASS SCREW.



A—644.

	STANDARD.		EX. HEAVY.	
2 in., with 1½ in. Screw,	$3.30	Eland.	$3.75	Eleaja.
3 in., with 2 in. Screw,	3.75	Elapse.	4.50	Eld.
4 in., with 3 in. Screw,	4.25	Elate.	5.25	Elder.
5 in., with 3 in. Screw,	5.50	Elater.	6.50	Eldern.
6 in., with 4 in. Screw,	6.50	Elbow.	8.00	Eldest

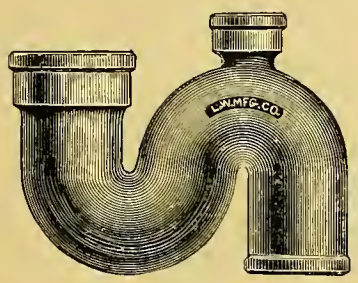
HALF "S" TRAPS.
WITH BRASS SCREW.



A—645.

	STANDARD.		EX. HEAVY.	
2 in., with 1½ in. Screw,	$3.30	Elding.	$3.75	Elemi.
3 in., with 2 in. Screw,	3.75	Eldritch.	4.50	Elf.
4 in., with 3 in. Screw,	4.25	Elect.	5.25	Elfin.
5 in., with 3 in. Screw,	5.50	Elegy.	6.50	Elfish.
6 in., with 4 in. Screw,	6.50	Element.	8.00	Elicit.

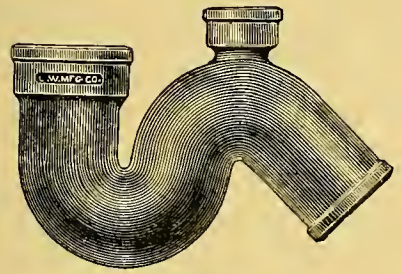
"S" TRAP, WITH VENT.



A—646.

	STANDARD.	EX. HEAVY.
2 inch, with 2 inch Vent,	$0.80 Elide.	1.25 Elite.
3 inch, with 2 inch Vent,	$1.25 Ell.	2.00 Elm
4 inch, with 2 inch Vent,	$1.75 Elmen.	2.75 Eloge.
5 inch, with 2 inch Vent,	$3.00 Elong.	4.00 Elope.
6 inch, with 2 inch Vent,	$4.00 Elops.	5.50 Elrich.

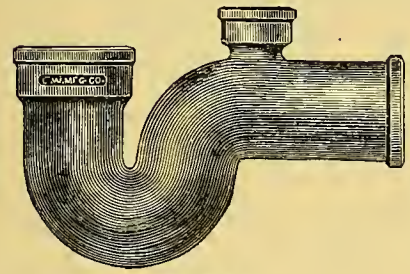
THREE-QUARTER "S" TRAP, WITH VENT.



A—647.

	STANDARD.	EX. HEAVY.
2 inch, with 2 inch Vent,	$0.80 Else.	1.25 Elsin.
3 inch, with 2 inch Vent,	$1.25 Elude.	2.00 Elul.
4 inch, with 2 inch Vent,	$1.75 Elute.	2.75 Elvan.
5 inch, with 2 inch Vent,	$3.00 Elve.	4.00 Elver.
6 inch, with 2 inch Vent,	$4.00 Elves.	5.50 Elvish.

HALF "S" TRAP, WITH VENT.

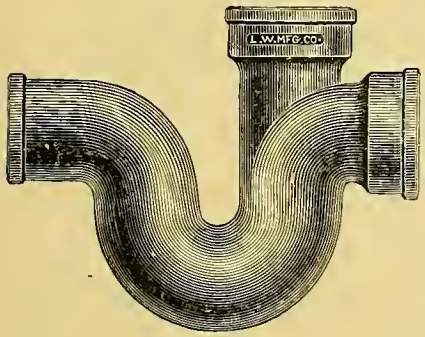


A—648.

	STANDARD.	EX. HEAVY.
2 inch, with 2 inch Vent,	$0.80 Em.	1.25 Embrace.
3 inch, with 2 inch Vent,	$1.25 Embale.	2.00 Emball.
4 inch, with 2 inch Vent,	$1.75 Embar.	2.75 Embark.
5 inch, with 2 inch Vent,	$3.00 Embase.	4.00 Embathe.
6 inch, with 2 inch Vent,	$4.00 Embay.	5.50 Embed.

RUNNING TRAPS.

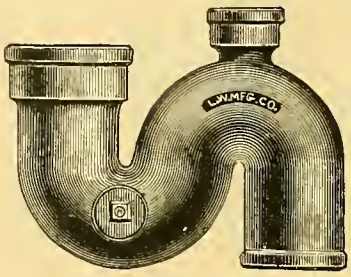
WITH HUB FOR VENT.



A—649.

	STANDARD.	EX. HEAVY.
4 inch, with 4 inch Vent,	$1.75 Ember.	2.75 Emblaze.
5 inch, with 4 inch Vent,	$3.00 Emblem.	4.00 Embloom.
6 inch, with 4 inch Vent,	$4.00 Emboil.	5.50 Emboss.
8 inch, with 6 inch Vent,	$9.00 Embow.	12.00 Embox.
10 inch, with 6 inch Vent,		20.00 Embrace.
12 inch, with 6 inch Vent,		30.00 Embrew.

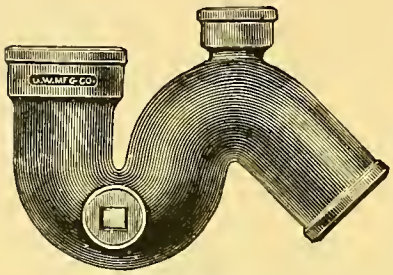
"S" TRAPS, WITH VENT AND BRASS SCREW.



A—650.

	STANDARD.	EX. HEAVY.
2 inch, with 2 inch Vent and 1½ inch Brass Screw,	$3·30 Embush.	3·75 Eme.
3 inch, with 2 inch Vent and 2 inch Brass Screw,	$3·75 Emend.	4·50 Emerge.
4 inch, with 2 inch Vent and 3 inch Brass Screw,	$4·25 Emeril.	5·25 Emery.
5 inch, with 2 inch Vent and 3 inch Brass Screw,	$5·50 Emesis.	6·50 Emeu.
6 inch, with 2 inch Vent and 4 inch Brass Screw,	$6·50 Emente.	8·00 Emew.

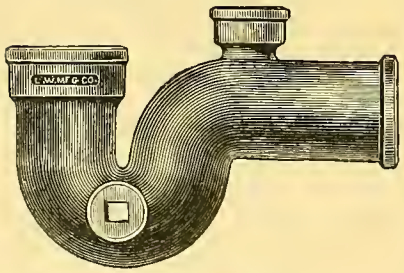
THREE-QUARTER "S" TRAPS, WITH VENT AND BRASS SCREW.



A—651.

	STANDARD.	EX. HEAVY.
2 inch, with 2 inch Vent and 1½ inch Brass Screw,	$3·30 Emir.	3·75 Emeer.
3 inch, with 2 inch Vent and 2 inch Brass Screw,	$3·75 Emit.	4·50 Emmet.
4 inch, with 2 inch Vent and 3 inch Brass Screw,	$4·25 Emmove.	5·25 Emong.
5 inch, with 2 inch Vent and 3 inch Brass Screw,	$5·50 Emove.	6·50 Empair.
6 inch, with 2 inch Vent and 4 inch Brass Screw,	$6·50 Empale.	8·00 Empark.

HALF "S" TRAPS, WITH VENT AND BRASS SCREW.

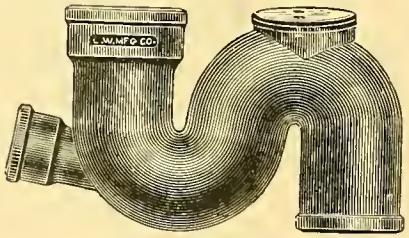


A—652.

	STANDARD.	EX. HEAVY
2 inch, with 2 inch Vent and 1½ inch Brass Screw,	$3·30 Empawn.	3·75 Emperl.
3 inch, with 2 inch Vent and 2 inch Brass Screw,	$3·75 Empire.	4·50 Emplore.
4 inch, with 2 inch Vent and 3 inch Brass Screw,	$4·25 Employ.	5·25 Empress.
5 inch, with 2 inch Vent and 3 inch Brass Screw,	$5·50 Emprint.	6·50 Emprise.
6 inch, with 2 inch Vent and 4 inch Brass Screw,	$6·50 Empty.	8·00 Empugn.

"S" TRAP.

WITH HAND HOLE, COVER AND HEEL OUTLET.

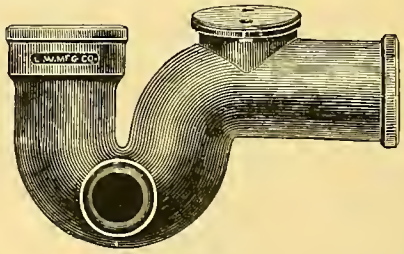


A—653.

	STANDARD.	EX. HEAVY.
4 inch, "S" Trap,	$2·25 Empuse.	3 25 Emrods
4 inch, ½ "S" Trap,	$2·25 Emn.	3·25 Emule.
4 inch, ¾ "S" Trap,	$2·25 Emulge.	3·25 Emys.

HALF "S" TRAPS.

WITH HAND HOLE, COVER AND SIDE OUTLET.

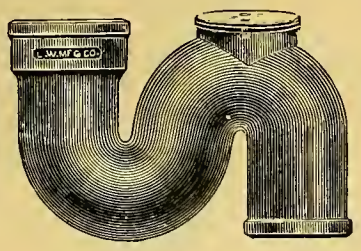


A—654.

	STANDARD.	EX. HEAVY.
4 inch, ½ "S" Trap,	$2·25 En.	3·25 Enact.
4 inch, ¾ "S" Trap,	$2·25 Enate.	3·25 Enbibe.
4 inch, "S" Trap,	$2·25 Encage.	3·25 Encamp.

"S" TRAP.

WITH HAND HOLE AND COVER.

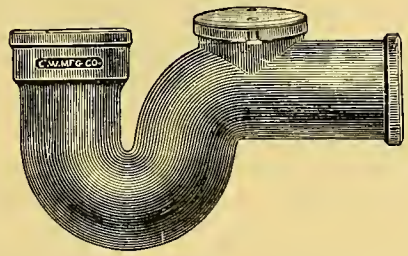


A—655.

	STANDARD.	EX. HEAVY
2 inch	$0.80 Enclasp.	1.25 Encoach.
3 inch,	$1.25 Encore.	2 00 Encrust.
4 inch,	$1.75 End.	2.75 Endall.
5 inch,	$3.00 Endark.	4.00 Endear.
6 inch,	$4.00 Ender.	5.50 Endict.

HALF "S" TRAP.

WITH HAND HOLE AND COVER.

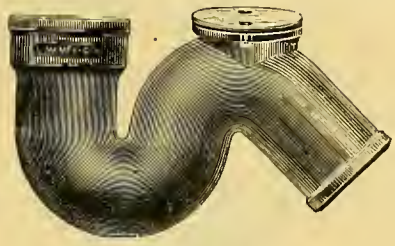


A—657.

	STANDARD.	EX. HEAVY.
2 inch,	$0.80 Endways.	1.25 Endwise.
3 inch,	$1.25 Eneid.	2.00 Enemy.
4 inch,	$1.75 Enerve.	2.75 Enfiled.
5 inch,	$3.00 Enfire.	4.00 Enforce.
6 inch,	$4.00 Enform.	5.50 Engage.

THREE-QUARTER "S" TRAP.

WITH HAND HOLE AND COVER.

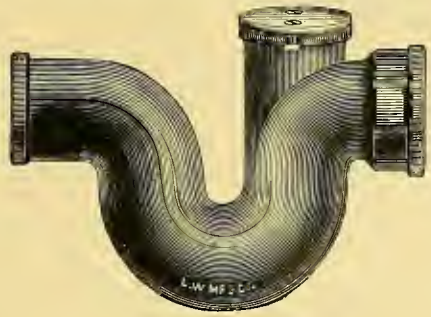


A—656.

	STANDARD.	EX. HEAVY.
2 inch,	$0.80 Ending.	1.25 Endite.
3 inch,	$1.25 Endive.	2.00 Endless.
4 inch,	$1.75 Endlong.	2.75 Endmost.
5 inch,	$3.00 Endoss.	4.00 Endow.
6 inch,	$4.00 Endue.	5.50 Endure.

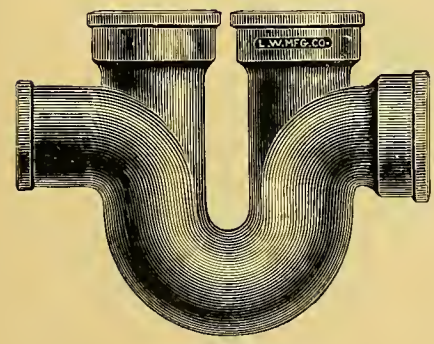
RUNNING TRAP.

WITH HAND HOLE AND COVER.



A—658.

	STANDARD.	EX. HEAVY.
2 inch,	$0.80 Engaol.	1.25 Engild.
3 inch,	$1.25 Engine.	2.00 Engird.
4 inch,	$1.75 Engirt.	2.75 Englad.
5 inch	$3.00 Engle.	4.00 English.
6 inch,	$4.00 Englue.	5.50 Englut.
8 inch,	$9.00 Engore.	12.00 Engraft.
10 inch,	.....	20.00 Engrave.
12 inch,	.....	30.00 Engross.



A—659.

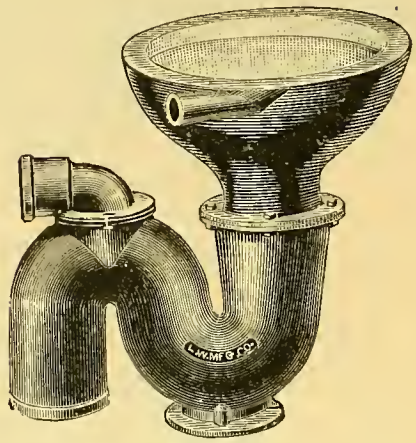
RUNNING TRAPS.

WITH HUBS FOR DOUBLE VENT.

	STANDARD.	EX. HEAVY.
4 inch with 4 inch vents,	$ 2.75 Enhance.	3.75 Enjail.
5 inch with 4 inch vents,	$ 4.00 Enjoin.	5.00 Enjoy.
6 inch with 4 inch vents,	$ 5.00 Enlace.	6.50 Enlard.
8 inch with 6 inch vents,	$11.00 Enlarge.	14.00 Enlight.
10 inch with 6 inch vents,	. . . . .	22.00 Enlinn.
12 inch with 6 inch vents,	. . . . .	32.00 Enlink.

SHORT HOPPER WITH "S" TRAP.

FOR IRON PIPE CONNECTION.



A—660.

Trap and Enameled Hopper with Elbow Vent for Iron Pipe, ... $4.50 Enlist.

If without Vent deduct . $0.50 Enlive.

FOR LEAD PIPE CONNECTION.

A—661.

Trap and Enameled Hopper with Vent with Brass Tail Piece, ... $5.50 Enliven.

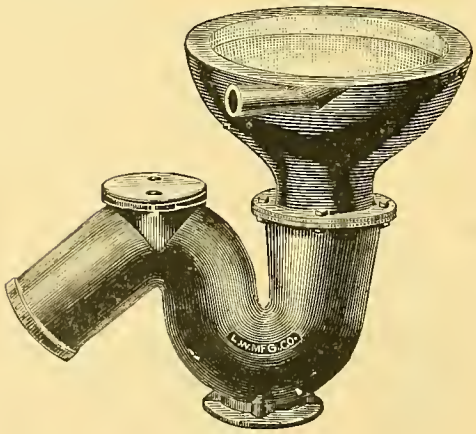
If without Vent deduct . $0.75 Enlock.

For Side or Heel Outlet add . . . . . $0.50 Enmanche.

SHORT HOPPER WITH TRAP.

THREE-QUARTER "S."

FOR IRON PIPE CONNECTION.



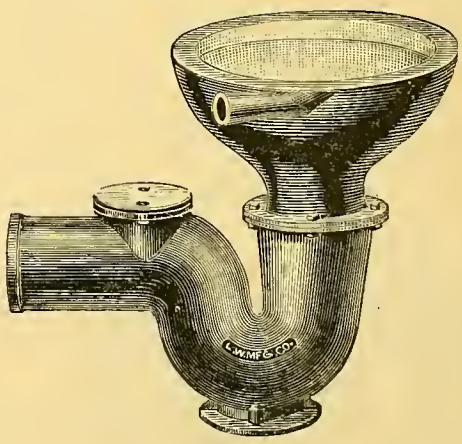
A—662.

Trap and Enameled Hopper, ... $4.00 Enmesh.

Add for Elbow Vent for Iron Pipe, $0.50 Enmew.

HALF "S."

FOR IRON PIPE CONNECTION.

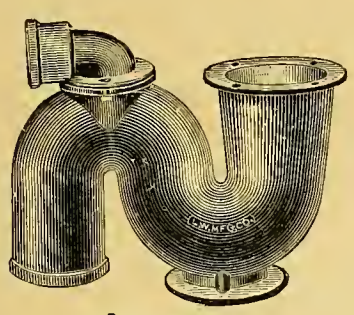


A—663.

Trap and Enameled Hopper, ... $4.00 Enmove.

Add for Elbow Vent for Iron Pipe, $0.50 Enmure.

For Side or Heel Outlet add . . . . . $0.50 Ennation.

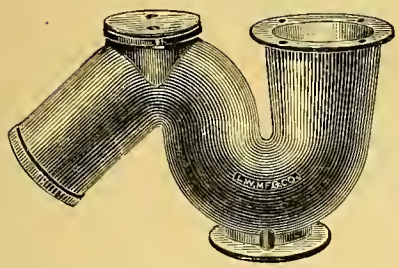


A–664.

"S" HOPPER TRAPS.

FOR IRON PIPE CONNECTION.

4 inch, Plain, with Elbow Vent for Iron Pipe,		$2.25 Ennead.
4 inch, Enameled, with Elbow Vent for Iron Pipe,		3.00 Ennew.
If without Vent deduct,	$0.50 Ennoble.	

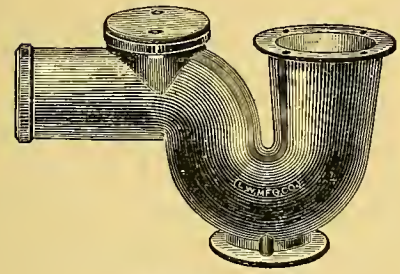


A–665.

THREE-QUARTER "S" HOPPER TRAPS.

FOR IRON PIPE CONNECTION.

4 inch, Plain,		$1.75 Ennui.
4 inch, Enameled,		2.50 Enode.
Add for Elbow Vent,	$0.50 Enstyle.	

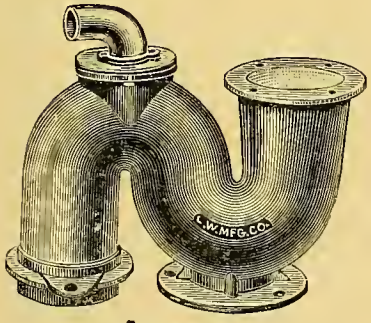


A–666.

HALF "S" HOPPER TRAPS.

FOR IRON PIPE CONNECTION.

4 inch, Plain,		$1.75 Enorm.
4 inch, Enameled,		2.50 Enough.
Add for Elbow Vent,	$0.50 Ensue.	

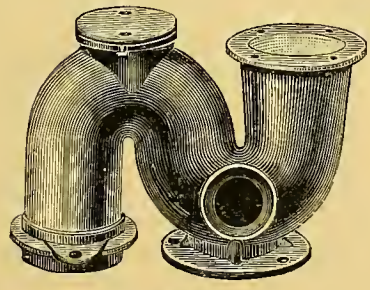


A–667.

"S" HOPPER TRAPS.

FOR LEAD PIPE CONNECTION.

4 inch, Plain, with Vent with Brass Tail Piece,		$2.50 Enow.
4 inch, Enameled, with Vent with Brass Tail Piece,		3.25 Enquire.
If without Vent deduct,	$0.50 Enrace.	



A–668.

"S" HOPPER TRAPS.

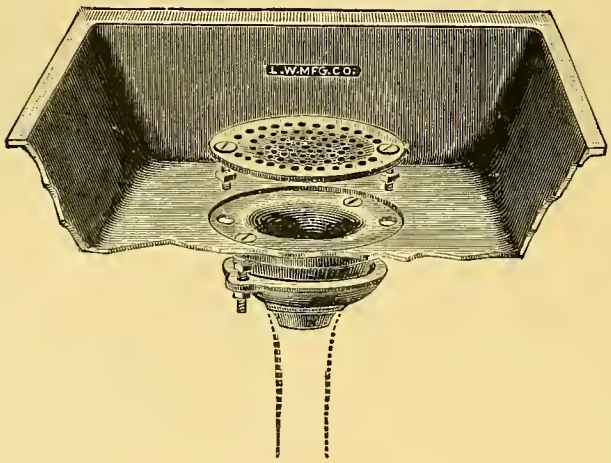
FOR LEAD PIPE CONNECTION AND SIDE OUTLET.

4 inch, Side or Heel Outlet, Plain,		$2.25 Enrage.
4 inch, Side or Heel Outlet, Enameled,		3.00 Enrank.

A–668 will always be sent with Outlet as shown unless otherwise ordered.

IRON SINKS.

SECTIONAL VIEW OF OUR WASTE PIPE CONNECTION.



A—669.

All our Sinks are provided with this **Improved Waste Connection,** as shown in sectional cut above, without additional cost.

When the Waste Pipe requires forcing out or repairs are needed, the Strainer can be easily and quickly detached, without disturbing the joint between Waste Pipe and Sink.

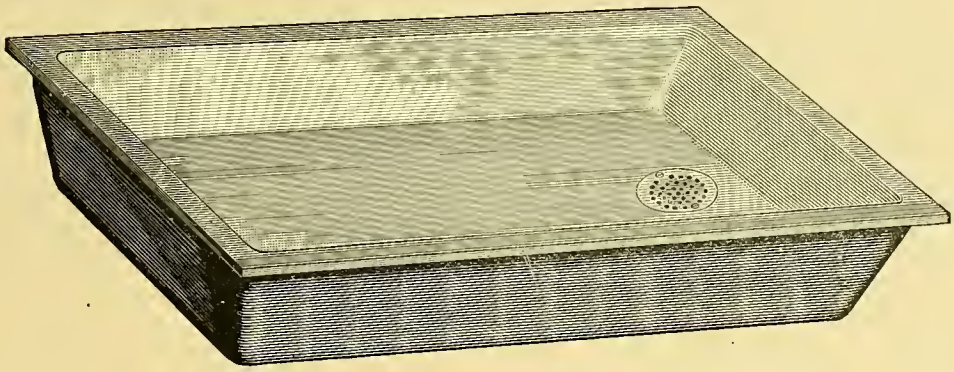
The Strainer Bolts have Brass Nuts at bottom to avoid setting with rust.

The Waste Pipe is connected with the Collar, the Strainer being separately fastened.

With most Sinks when the Waste Pipe requires forcing out it is necessary to disconnect the Pipe and draw it and the trap out of the door of the casing below, thus injuring the Pipe and Trap; frequently the bolts have to be cut off, in consequence the Collars are often broken and sometimes the Sink.

These troubles are avoided by the use of **Wolff's Sinks** with **Improved Waste Pipe Connection.**

SQUARE SINKS.

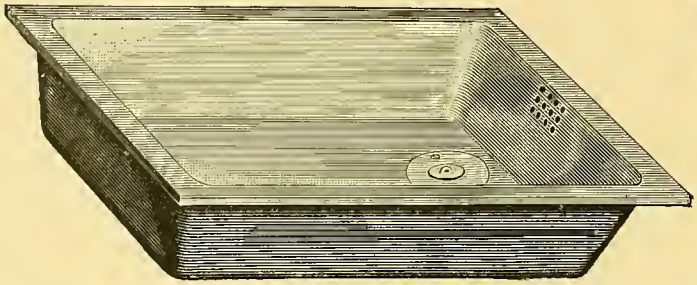


A—670.

	PLAIN.		GALVANIZED.		GRAY ENAMELED.		WHITE ENAMELED.	
12 x 18 inch,	$1.25	Enrap.	$2.60	Ensuch.	$2.60	Entwine.	$4.75	Epidote.
14 x 20 inch,	1.50	Enrich.	3.20	Ensung.	3.20	Entwist.	6.00	Epigee.
15 x 27 inch,	2.00	Enridge.	4.25	Ensure.	4.25	Enure.	7.25	Epigene.
16 x 24 inch,	1.80	Enring.	4.00	Ensweep.	4.00	Envault.	6.50	Epigram.
16 x 28 inch,	2.10	Enrive.	4.50	Entail.	4.50	Envie.	7.50	Epoch.
16 x 30 inch,	2.25	Enrobe.	4.75	Entame.	4.75	Environ.	7.75	Epode.
18 x 24 inch,	2.10	Enroll.	4.30	Enter.	4.30	Envoy.	7.00	Epos.
18 x 30 inch,	2.50	Enroot.	5.10	Enthrall.	5.10	Envy.	8.50	Epsom
18 x 32 inch,	3.00	Ens.	6.25	Entice.	6.25	Enwall.	9.50	Equal.
18 x 36 inch,	3.00	Ensafe.	6.50	Enticer.	6.50	Enwheel.	9.50	Equate.
20 x 24 inch,	2.40	Ensate.	5.00	Entire.	5.00	Enwrap.	7.50	Equine.
20 x 30 inch,	3.00	Enseal.	6.25	Entitle.	6.25	Eocene.	9.00	Equip.
20 x 36 inch,	3.70	Enseam.	7.75	Entity.	7.75	Eolic.	10.50	Equity.
20 x 38 inch,	3.80	Ensear.	8.00	Entoil.	8.00	Eolis.	11.00	Equus.
20 x 40 inch,	4.00	Enseel.	8.50	Entomb.	8.50	Eon.	11.50	Er.
20 x 42 inch,	4.25	Ensign.	9.00	Entrail.	9.00	Ep.	12.00	Era.
20 x 48 inch,	5.30	Ensise.	11.50	Entrant.	11.50	Epact.	13.25	Erase.
21½ x 32½ inch,	3.35	Ensky.	7.00	Entrap.	7.00	Epaule.	10.00	Eraser.
21½ x 36 inch,	3.90	Enslave.	8.10	Entreat.	8.10	Epha.	11.25	Erato.
22 x 42 inch,	4.25	Ensnare.	9.00	Entree.	9.00	Ephod.	12.00	Erbium.
22 x 48 inch,	5.75	Ensnarl.	12.25	Entrick.	12.25	Ephor.	15.00	Ere.
24 x 50 inch,	7.50	Enstamp.	16.00	Entrust.	16.00	Epic.	18.00	Erebus.
22 x 62 inch,	10.75	Enstate.	22.00	Entry.	22.00	Epicene.	26.00	Erect.
22 x 76 inch,	15.00	Enstore.	32.00	Entune.	32.00	Epicure.		

PATENT OVERFLOW SINKS.

WITH PLUG STRAINER.



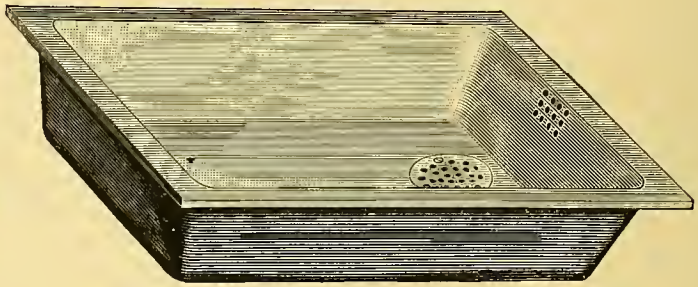
A–671.

Made same sizes as Square Sinks A–670.

To price of Square Sinks A–670, add:

PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
$1.20 Erelong.	1.25 Eremite.	1.25 Erewhile.	1.50 Erf.

WITH OPEN STRAINER.



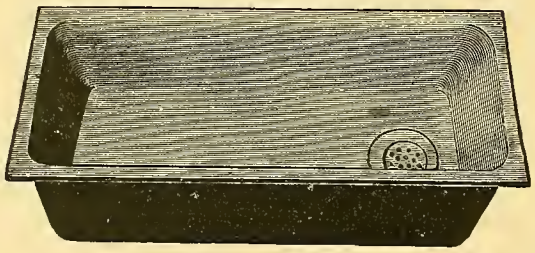
A–672.

Made same sizes as Square Sinks A–670.

To price of Square Sinks A–670, add:

PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
$1.00 Ergat.	1.00 Ergata.	1.00 Ergo.	1.00 Ergot.

WROUGHT STEEL SINKS.



A–673.

	PAINTED.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
Size, 16 x 24 x 6, each,	$1.80 Eria.	4.00 Erix.	6.50 Erogate.	7.50 Errand.
Size, 18 x 30 x 6, each,	$2.50 Eric.	5.10 Erke.	8.50 Erose.	10 00 Errant.
Size, 18 x 36 x 6, each,	$3.00 Erica.	6.50 Ermine.	9.50 Erosive.	11.00 Errata.
Size, 20 x 30 x 6, each,	$3.00 Eringo.	6.25 Ermit.	9.00 Erotic.	10.50 Erratic.
Size, 20 x 36 x 6, each,	$3.70 Erinite.	7.75 Ern.	10.50 Erpeton.	12 00 Error.
Size, 20 x 40 x 6, each	$4 00 Erinnys.	8.50 Erne.	11.50 Err.	13.00 Ers.
Size, 14 x 20 x 6, Oval, each,	$2.00 Eristic.	3.50 Erode.	5.50 Errable	6.50 Erse.

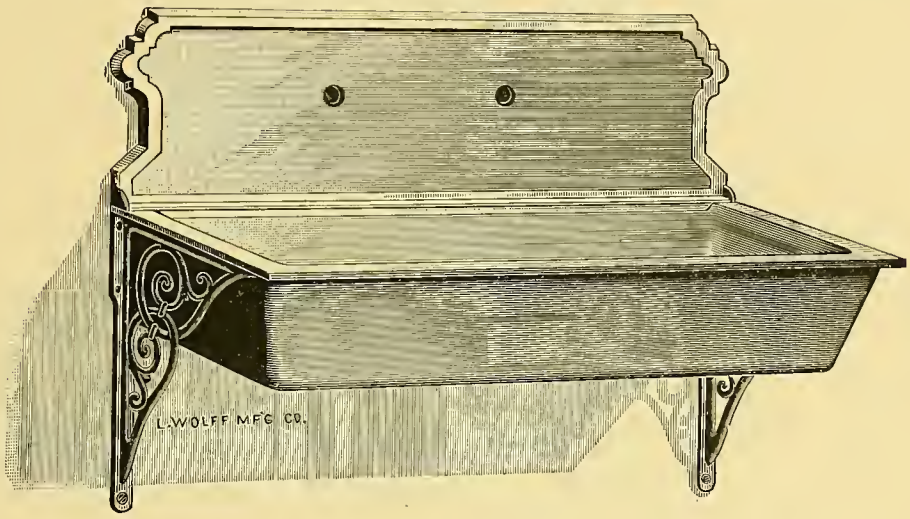
SINK LEGS.

A–674.

	PLAIN.	GALV'D.
Sink Legs, each,	$0.40 Ersh.	.80 Erst

SINK ON BRACKETS WITH BACK.

PLAIN, GALVANIZED OR ENAMELED.

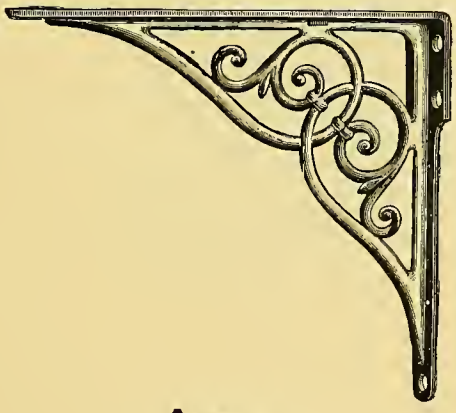


A–675.
Eruca.

For price of Brackets or Backs see A-676 and A-677.

For price of Legs see A-674

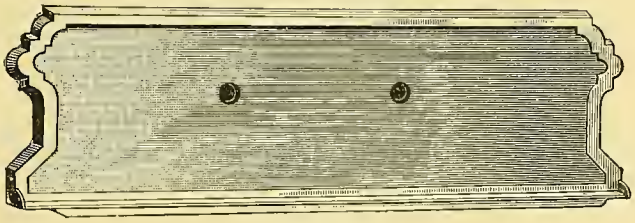
SINK BRACKETS.



A–676.

	PLAIN.	GALV'D.	GRAY ENAMELED.
No. 1, . . .	$0.45 Eruct.	.75 Erudite.	.90 Erugate.
No. 2, . . .	$0.55 Erupt.	.85 Ervum.	1.00 Eryx.
No. 3, . . .	$0.75 Escape.	1.00 Escarp.	1.25 Eschar.

SINK BACKS.



A–677.

SIZE.	PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
20 in.	$0.90 Escheat.	1.60 Eschew.	1.60 Escopet.	2.25 Escort.
22 in.	$0.95 Escot.	1.75 Escout.	1.75 Escript.	2.35 Escrod.
24 in.	$1.05 Escroll.	2.00 Escrow.	2.00 Esloin.	2.60 Esnecy.
30 in.	$1.40 Esodic	2 80 Esox.	2.80 Espial.	3.50 Espier.
36 in.	$1.90 Esplees.	3.50 Espouse.	3.50 Espy.	4.25 Esquire.
42 in.	$2.45 Essay.	4.25 Essence.	4.25 Essene.	5.00 Essera.
48 in.	$3.00 Essoin.	5.00 Essonite.	5.00 Estafet.	5.75 Estate.

Sink Backs will always be sent with *two* (2) *Cock Holes* unless otherwise ordered.

SINK BACK WITH AIR CHAMBERS.

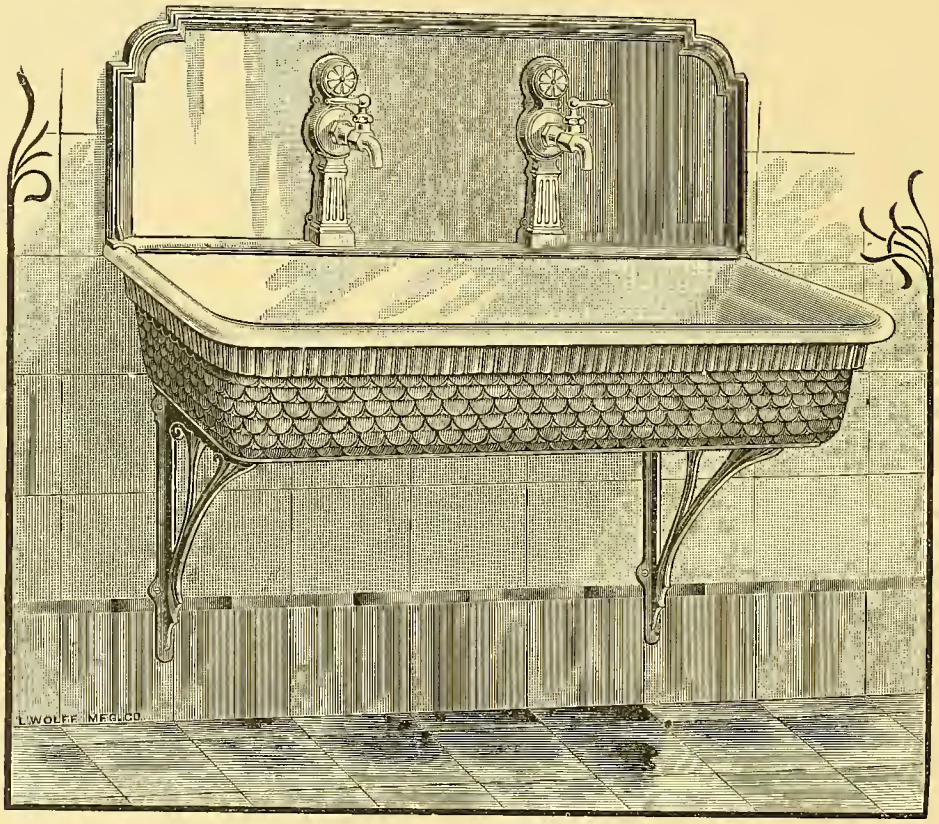
WITH BRASS COUPLINGS AND WROUGHT IRON PIPES.

	PLAIN.	GALVANIZED.	GRAY. ENAMELED.	WHITE ENAMELED.
To prices of A-677 add for each Air Chamber with Pipe and Coupling,	$1.40 Esteem.	1.60 Estival.	1.60 Estop.	2.20 Estrade.

WOLFF'S IMPROVED ROLL RIM KITCHEN SINKS.

ON BRACKETS.

PLAIN, GALVANIZED AND ENAMELED.



A—678.

Improved Roll Rim Kitchen Sink, with Back with Air Chambers and Brackets.

SIZE.	PLAIN.	GALVANIZED.	ENAMELED.
30 x 22 x 7 inches, each,	$9.00 Estrange.	16.50 Estray.	22.00 Estreat.
36 x 22 x 7 inches, each,	$10.75 Estrepe.	19.25 Estrich.	25.00 Estuary.
42 x 22 x 7 inches, each,	$12.25 Estuate.	21.25 Esture.	28.00 Esurine.
48 x 22 x 7 inches, each,	$13.50 Esurient.	23.50 Estridge.	32.00 Etagere.

Cocks are not included in above prices.

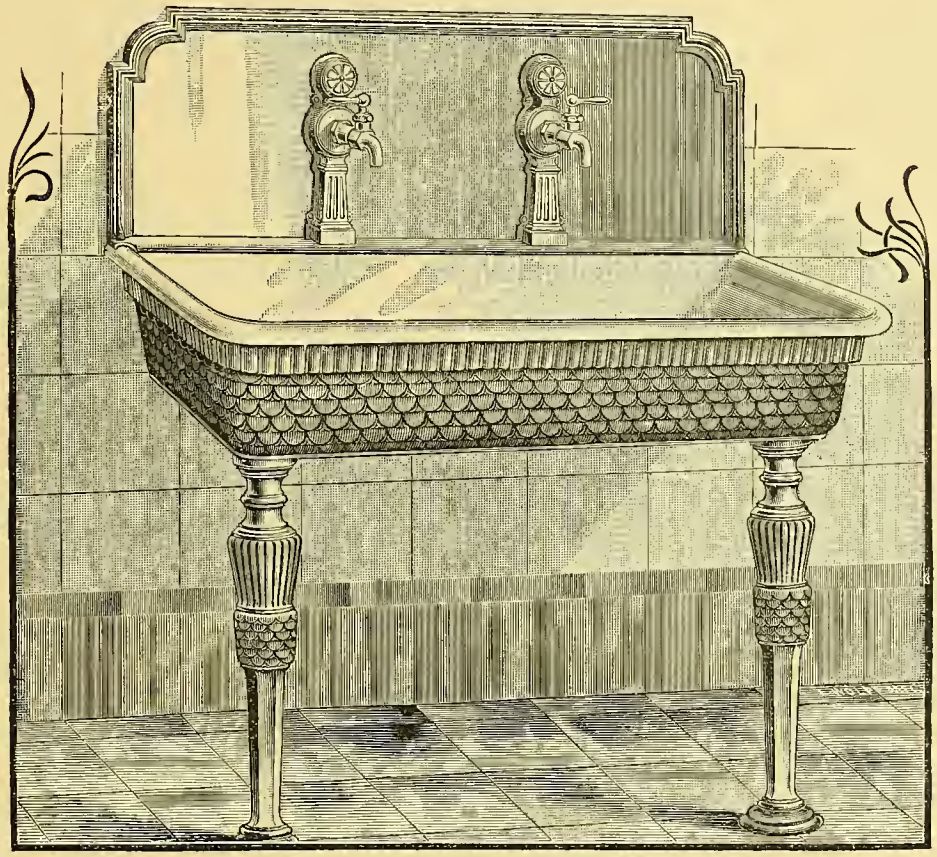
When furnished Enameled, the outside of Sinks and the Brackets are Bronzed.

NOTE—For a complete line of Kitchen Sinks in Iron, Slate and Monarch Porcelain, see our "Plumbing Specialties," Catalogue B.

WOLFF'S IMPROVED ROLL RIM KITCHEN SINKS.

ON LEGS.

PLAIN, GALVANIZED AND ENAMELED.



A—679.

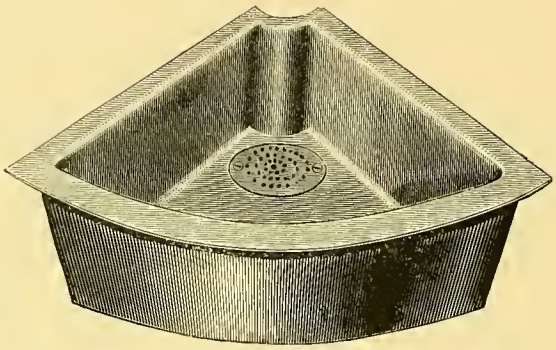
Improved Roll Rim Kitchen Sink with Back with Air Chambers and Legs.

	PLAIN.	GALVANIZED.	ENAMELED.
30 x 22 x 7 inches,	$10.50 Etat.	19 00 Etern.	23.50 Ether.
36 x 22 x 7 inches,	$12.25 Etch.	21.75 Ethal.	26.50 Ethic.
42 x 22 x 7 inches,	$13 75 Etcher.	24.25 Ethe.	29.50 Ethics.
48 x 22 x 7 inches,	$15.00 Etching.	26.00 Ethel.	33.50 Ethiop.

Cocks are not included in above prices. When furnished Enameled, the outside of Sink and the Brackets are Bronzed.

NOTE—For a complete line of Kitchen Sinks in Iron, Slate and Monarch Porcelain see our "Plumbing Specialties," Catalogue B.

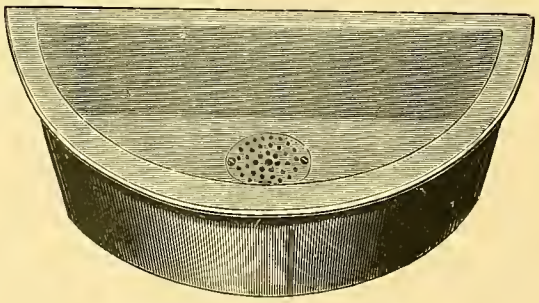
CORNER SINKS.



A–680.

SIZE.	SIDE.	FRONT.	PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
No. 1,	17 in.	25 in.	$1.25 Etnean.	2.75 Etude.	2.75 Etym.	6.00 Euchre.
No. 2,	20 in.	28 in.	$1.75 Ettin.	3.50 Etun.	3.50 Etymon	7.00 Euclase.
No. 3,	22 in.	31 in.	$2.10 Ettle.	4.20 Etwee.	4.20 En.	8.00 Euge.

HALF-ROUND SINKS.

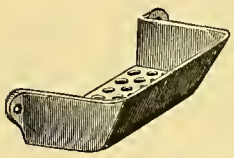


A–681.

SIZE.	BACK.	WIDTH.	PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED.
No. 1,	24 in.	14 in.	$1.50 Evade.	3.25 Evenly.	3.25 Evert.	6 00 Evileye.
No. 2,	27 in.	15 in.	$1.80 Eve.	3.90 Event.	3.90 Evict.	7.00 Evilly.
No. 3,	29 in.	16 in.	$2.00 Even.	4.50 Ever.	4.50 Evident.	8.00 Evilness.
No. 4,	31½ in.	17 in.	$2.25 Evene.	4.75 Everse.	4.75 Evil.	9.00 Evince.

These Sinks can be made with Patent Overflows, same as Figs. A–671 and A–672.

SOAP CUPS.

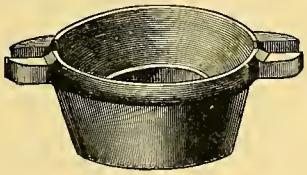


A—682.

Plain, per doz.,	$2.50	Evolve.
Galvanized, per doz.,	$4.00	Ewe.
Enameled, per doz.,	$6.00	Ewry.

SINK COUPLINGS.

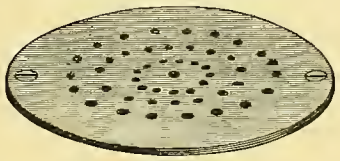
TAPPED FOR IRON PIPE WASTE.



A—683.

Plain, each,	$0.75	Exact.
Galvanized, each,	$0.90	Exalt.

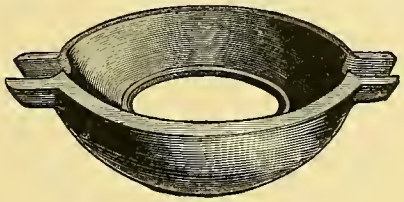
OPEN SINK STRAINERS.



A—684.

Plain, per doz.,	$1.50	Exarch.
Galvanized, per doz.,	$2.60	Excamb.
Gray Enameled, per doz.,	$2.60	Excave.
White Enameled, per doz.,	$3.00	Exceed.

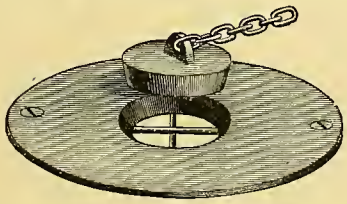
SINK COUPLINGS.



A—685.

Plain, per doz.,	$1.50	Excel.
Galvanized, per doz.,	$2.00	Exceptor.

IRON SINK PLUGS.



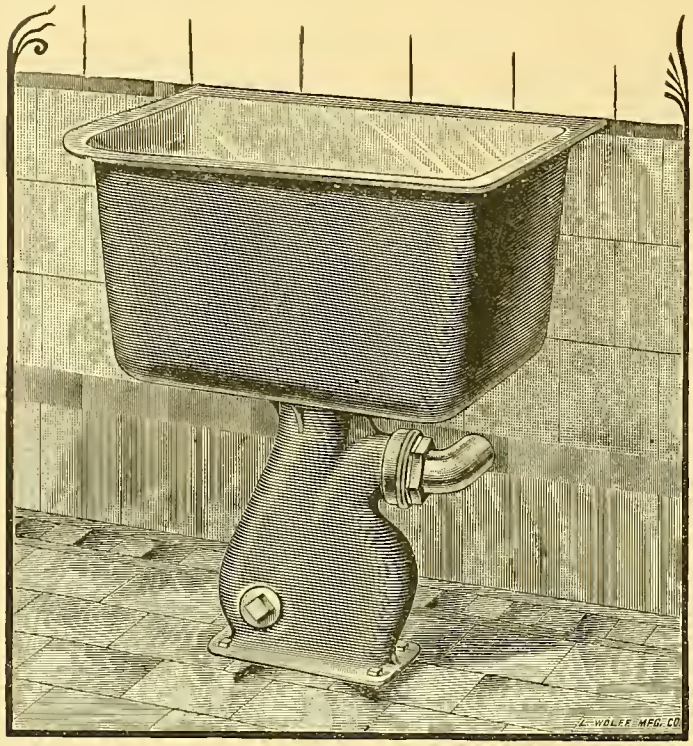
A—686.

Plain, per doz.,	$3.25	Excern.
Galvanized, per doz.,	$5.00	Excerp.
Gray Enameled, per doz.,	$5.00	Excerpt.
White Enameled, per doz.,	$6.00	Excess.

SINK BOLTS.

A—687.

Per doz.,	$0.40	Exchange
Per package (100),	$2.00	Excheat.

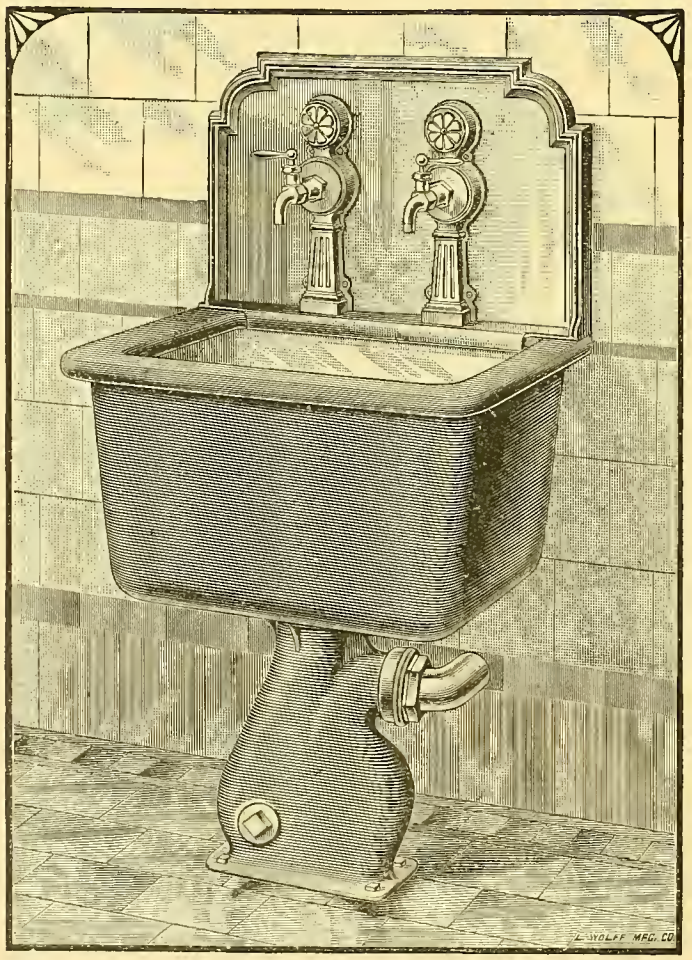


A–688.

IRON SLOP SINK.

WITH TRAP STANDARD WITH CLEANOUT AND IMPROVED BRASS VENT CONNECTION.

	PAINTED.	GALV'D.	ENAML'D.
16 x 20 x 12, . .	$9.50 Excide.	12.00 Excite.	13.00 Excitive.
18 x 22 x 12, . .	$10.50 Excise.	13.50 Exciter.	14.50 Exclaim.
20 x 24 x 12, . .	$11.50 Excision.	15.00 Exciting.	16.00 Exclude.



A–689.

IRON SLOP SINK.

WITH TRAP STANDARD, WITH CLEANOUT AND IMPROVED BRASS VENT CONNECTION AND BACK, WITH AIR CHAMBERS.

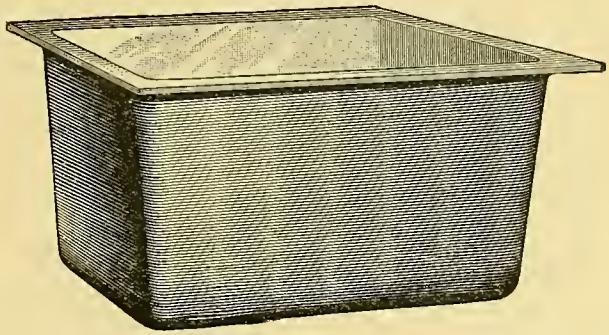
	PAINTED.	GALV'D.	ENAML'D.
16 x 20 x 12 without cocks,	$13.00 Exclusion.	17.00 Excreate.	19.50 Excurse.
18 x 22 x 12 without cocks,	$14.00 Exclusive.	18.75 Excrete.	21.25 Excursion.
20 x 24 x 12 without cocks,	$15.25 Excoct.	20.25 Excur	23.00 Excuse.

Add for 2 Nickel Plated Fuller Bibbs, $2.00 Excuser.

Add for Hardwood Rim, oil finish, $2.00 Excuss.

NOTE—For complete line of Slop Sinks in Iron and Monarch Porcelain, see our Plumbing Specialties "Catalogue B."

SLOP SINKS.

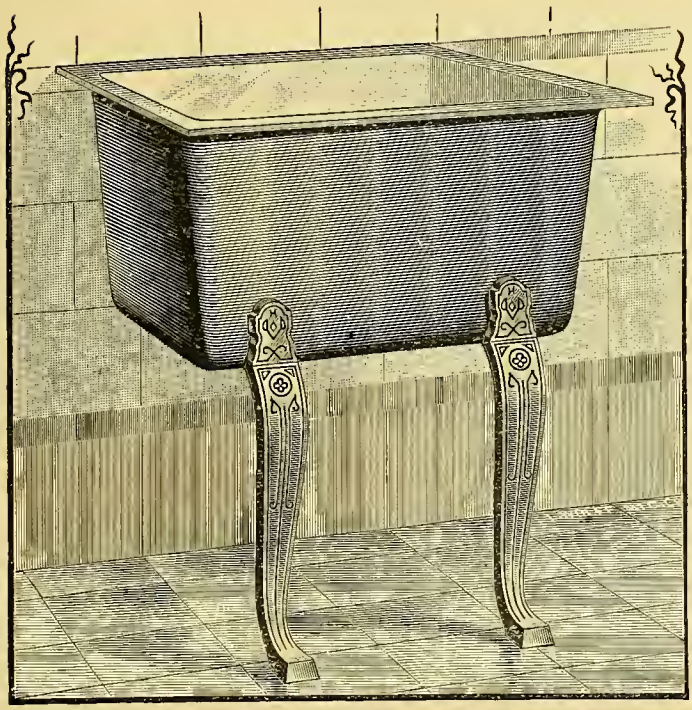


A–690.

SIZE.	PLAIN.	GRAY ENAMELED AND GALVANIZED.	WHITE ENAMELED.
16 x 16 x 10 inches deep, each,	$2.70 Exect.	5.25 Exection.	7.50 Execute.
20 x 14 x 12 inches deep, each,	$3.50 Exegete.	6.50 Exempt.	8.50 Exequy.
20 x 16 x 12 inches deep, each,	$4 00 Exercent.	8.25 Exercise.	10.00 Exergue.
24 x 20 x 12 inches deep, each,	$5.00 Exert.	9.50 Exertion.	11.50 Exertive.
23 x 15 x 15 inches deep, each,	$4.25 Exesion.	8.00 Exhale.	11.00 Exhaust.
30 x 20 x 12 inches deep, each,	$8.00 Exhibit.	15.00 Exhort.	16.00 Exhorter.
36 x 20 x 12 inches deep, each,	$10.00 Exhume.	19.00 Exiccate.	20.00 Exigence.
48 x 20 x 17 inches deep, each,	$20.00 Exigent.	36.00 Exile.	38.00 Exist.
Add if for Patent Overflow, each,	$1.00 Exit.	1.00 Exitial.	1.00 Exode.
Add if for Patent Overflow and Plug Strainers, each,	$1.20 Exodus.	1.25 Exody.	1.30 Exogen.

SLOP SINK.

ON LEGS.



A–691.
Exotic.

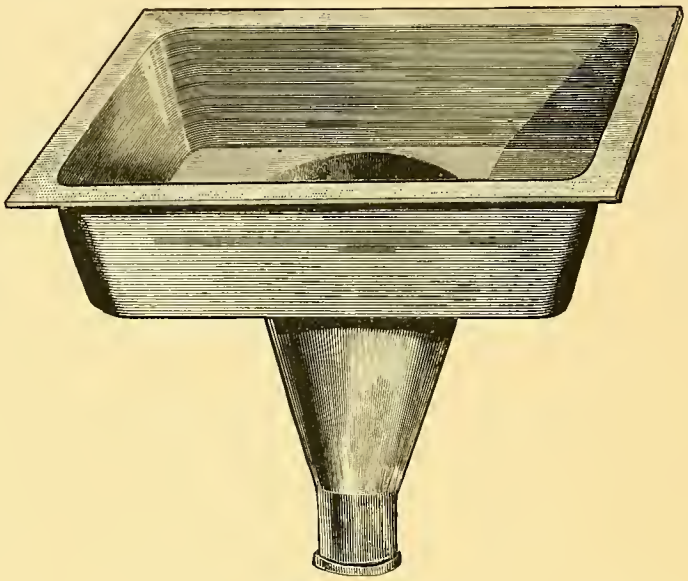
For Price of Legs see A-692.

SLOP SINK LEG.

A–692.

	PLAIN.	GALVANIZED.
Each,	$0.50 Exotete.	1.00 Exolve.

HOSPITAL SLOP SINK, WITH HOPPER ATTACHED.



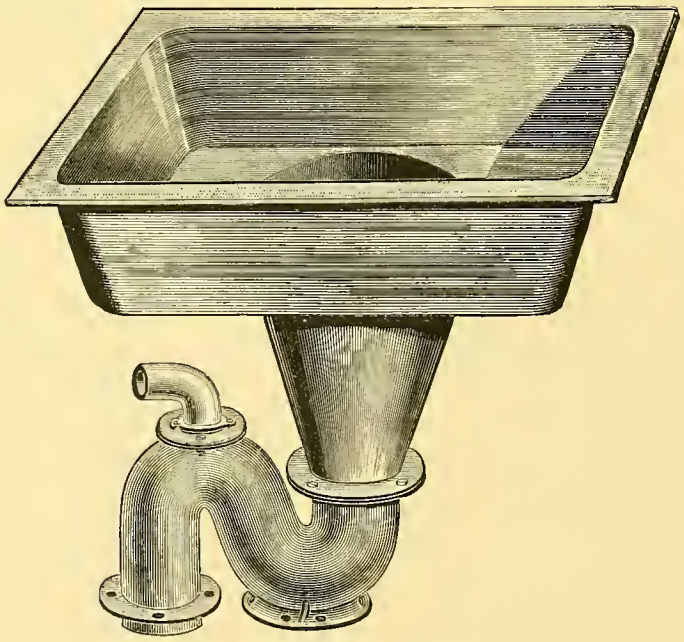
A—693.

Sink, 36 x 21 x 12 inches deep; Hopper, 18 inches deep, 4 inch Outlet.

	PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED
Each	$11.00 Exon.	20.50 Exorate.	20.50 Exorcise.	22.00 Exorcist.

HOSPITAL SLOP SINK, WITH HOPPER ATTACHED.

WITH TRAP AND BRASS VENT CONNECTION. FOR LEAD PIPE CONNECTION.



A—694.

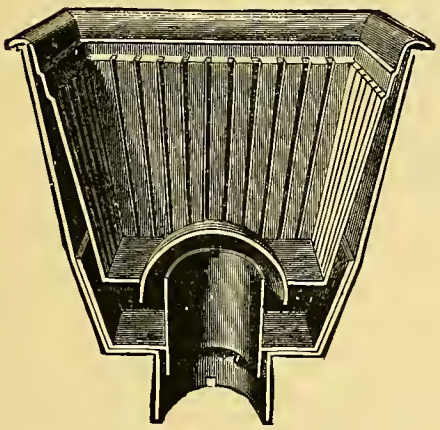
Sink, 36 x 21 x 12 inches deep; Hopper, 18 inches deep, 4 inch Outlet.

	PLAIN.	GALVANIZED.	GRAY ENAMELED.	WHITE ENAMELED
Each, ...	$14.00 Expand.	24.00 Expanse.	24.00 Expect.	25.50 Expel.
If without Vent deduct				$1.00 Expeller.

Can also be furnished with Trap and Vent for Iron Pipe Connection.

SLOP HOPPER.

SQUARE.

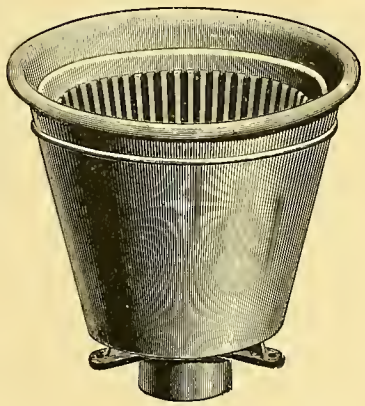


A–695.

Each, ... $3.50 Expiate.

SLOP HOPPER.

ROUND.

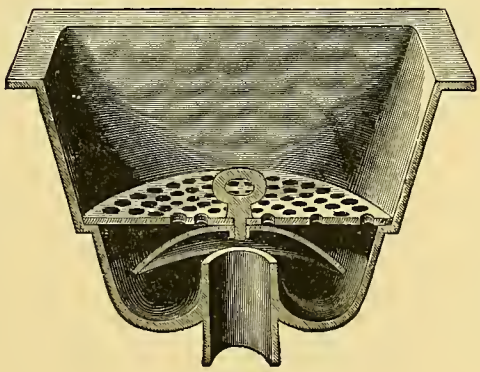


A–696.

Each, ... $3.50 Expiation.

SLOP SINK.

WITH BELL TRAP.

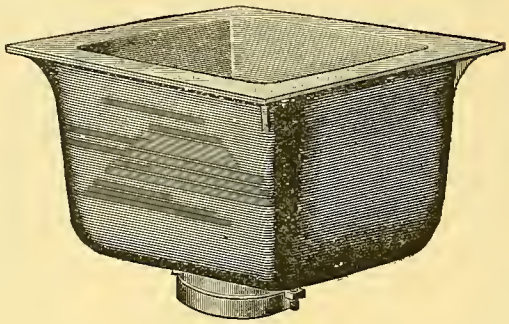


A–697.

Size, ...	12 x 12	14 x 14	16 x 16 in.
Each, ...	$2.00 Expire.	2.25 Expiree.	2.50 Expiring.

SLOP SINKS.

WITH 4 INCH OUTLET IN CENTER.

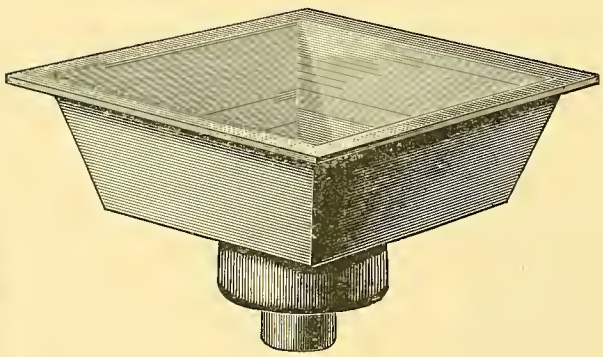


A—698.

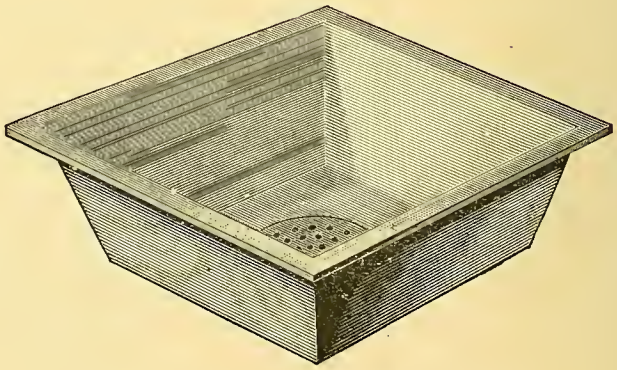
SIZE.	DEPTH.	PLAIN.	GALVANIZED.	GRAY ENAMELED
16 x 16	10 inch,	$3.25 Expiry.	$6.00 Explainer.	$6.00 Explate.
20 x 22	12 inch,	5.00 Explain.	10.00 Explat	10.00 Expletion.

HYDRANT CESSPOOLS.

WITH BELL TRAP.



A—699.



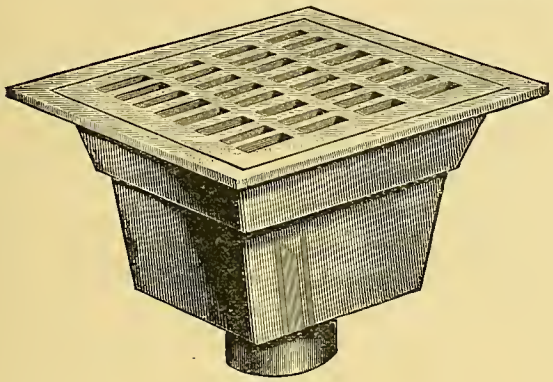
A—700.

12 x 12 x 6 inches deep, each,	$1.50 Expletive.
14 x 14 x 6 inches deep, each,	$1.65 Explicate.
16 x 16 x 6 inches deep, each,	$1.80 Explicit.
18 x 18 x 6 inches deep, each,	$2.10 Explode.

12 x 12 x 6 inches deep, each,	$1.00 Exploder.
14 x 14 x 6 inches deep, each,	$1.15 Exploit.
16 x 16 x 6 inches deep, each,	$1.30 Explore.
18 x 18 x 6 inches deep, each,	$1.60 Explorer.

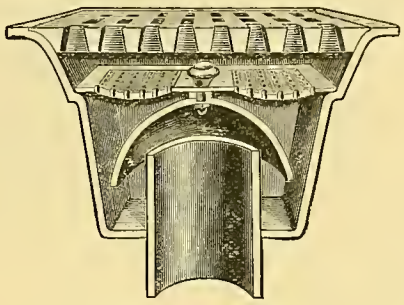
LARGE CESSPOOLS.

WITH BELL TRAP AND GRATING.



A—701.

SECTIONAL CUT.

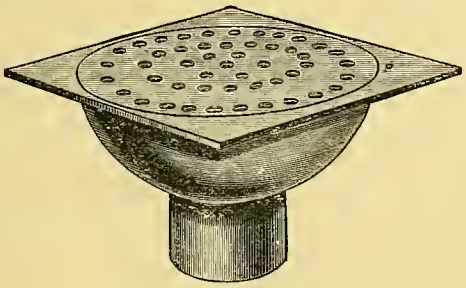


A—702.

Size, 16 x 16 x 10 inches deep, ... $4.50 Exploring.

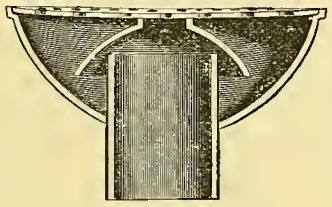
CESSPOOLS.

WITH BELL TRAP.



A—703.

SECTIONAL CUT.



A—704.

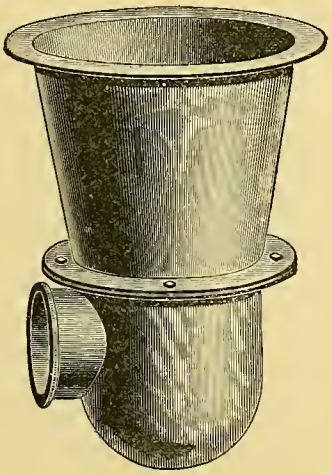
Size, 6 x 6 inches square, ... $0.75 Explosion.

Size, 9 x 9 inches square, ... $1.00 Explosive.

Size, 13 x 13 inches square, ... $2.50 Expolish.

WILLETT'S CESSPOOL.

WITH TRAP AND HOPPER.

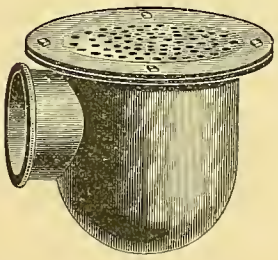


A—705.

Price, each, ... $5.00 Exponent.

WILLETT'S CESSPOOL.

WITH TRAP.

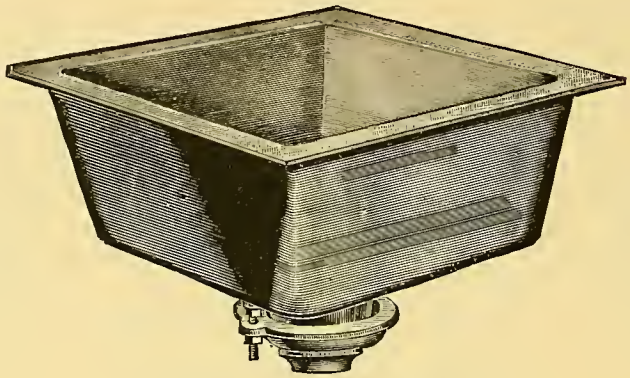


A—706.

Price, each, ... $3.00 Export.

HYDRANT CESSPOOLS.

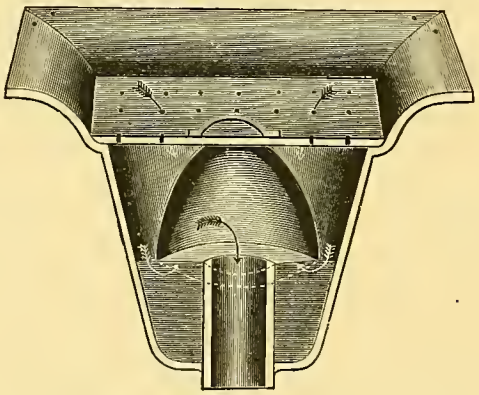
WITH WASTE PIPE CONNECTIONS.



A—707.

	PLAIN.	GALVANIZED.
Size, 12 x 12 inches, 6 inches deep, each,	$1.00 Expunge.	1.50 Exposal.
Size, 14 x 14 inches, 6 inches deep, each,	$1.15 Expulse.	1.75 Expose
Size, 16 x 16 inches, 6 inches deep, each,	$1.30 Expugn.	1.95 Exposer.

SEWER TRAPS.



A—708.

Size, 16 x 16 inches, each, ... $2.50 Exprime.

Sewer Traps with Strainers, to prevent the passage of anything except water, and arranged with inverted bell underneath, to prevent nauseous gases from arising.

ROUND BAR STRAINERS.

A—709.

4 inch, each,	$0.20 Expurge.
5 inch, each,	$0.25 Exquire.
6 inch, each,	$0.30 Exscind.
7 inch, each,	$0.50 Exscrib.
8 inch, each,	$0.65 Exscript.
9 inch, each,	$0.80 Exsert.

CESSPOOL PLATES.

A—710.

Size, 6 x 8 inches, each, $0.50 Exserted.

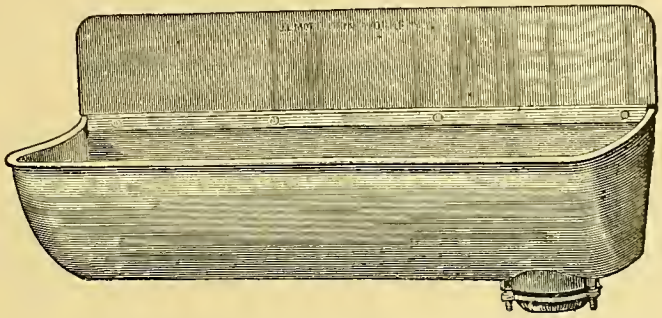
A—711.

Size, 6 x 8 inches, each, $0.50 Extance.

A—712.

6 inch, each, ... $0.50 Extancy.

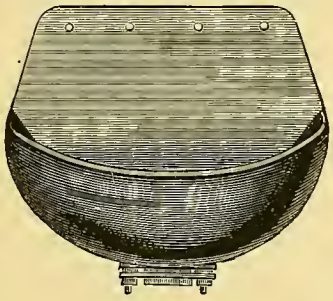
PUBLIC URINALS.



A—713.

SIZE.	PLAIN.	PAINTED.	GALVANIZED.	ENAMELED.
36 inches long, each,	$5.50 Extant.	6.25 Extender.	10.00 Extent.	15.00 Extine.
42 inches long, each,	$6.50 Extasy.	7.25 Extensile.	12.00 Extern.	18.00 Extirp.
48 inches long, each,	$7.50 Extatic.	8.50 Extensive.	14.00 Extill.	21.00 Extirper.
60 inches long, each,	$10.00 Extend.	11.00 Extensor.	21.50 Extinct	31.00 Extol.

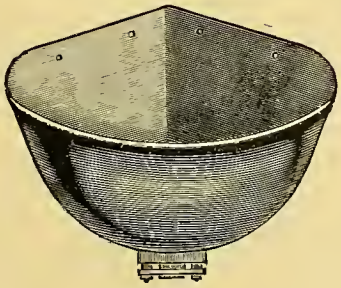
HALF-CIRCLE URINALS.



A—714.

	PLAIN.	PAINTED.	GALVANIZED.	ENAMELED
No. 1, Length of Back 12 inches, each,	$1.00 Extort.	1.15 Extra.	2.00 Extract.	2.50 Extreat.
No. 2, Length of Back 15 inches, each,	$1.30 Extreme.	1.50 Extruct.	2.50 Extrude.	3.00 Exude

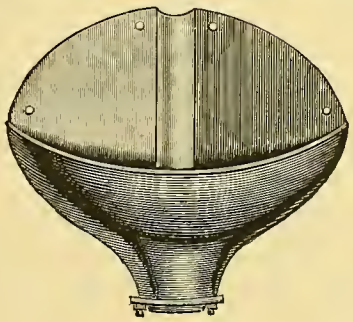
CORNER URINALS.



A—715.

SIZE.	PAINTED.	ENAMELED.
No. 1, 7 in. on side, each,	$0.90 Exult.	1.75 Exutory.
No. 2, 9 in. on side, each,	$1.15 Eyalet.	2.25 Eyas.
No. 3, 12 in on side, each,	$1.45 Eye.	2.75 Eyeball.

OPENING BEHIND FOR LEAD PIPE.



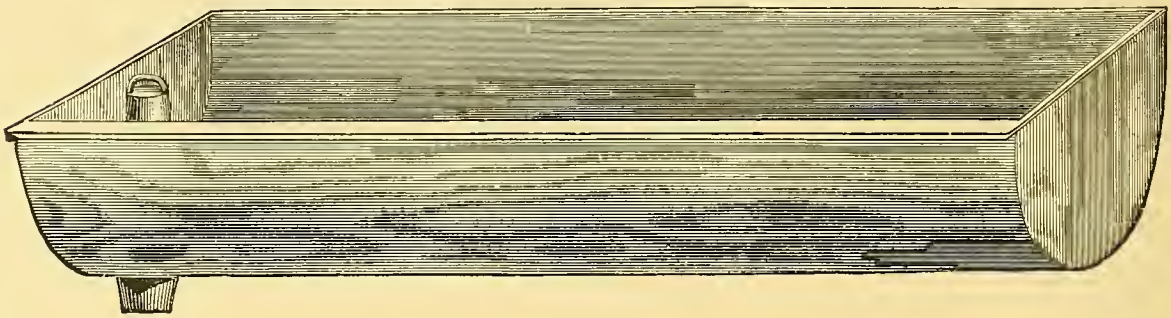
A—716.

SIZE.	PAINTED.	ENAMELED.
12 in. on side, each,	$1.50 Eyebolt.	3.00 Eyed.

PRIVY SINKS.

No. 1.

FOR PUBLIC BUILDINGS, SCHOOLS, TENEMENTS, FACTORIES, ETC.



A–717.

Lengths over 12 feet are made in two sections.

LENGTH.	WIDTH.	DEPTH.	PRICE.	LENGTH.	WIDTH.	DEPTH.	PRICE.
4 feet	17 inch	12 inch	$16.00 Fable.	14 feet	17 inch	14 inch	$53.00 Facies.
4½ feet	17 inch	12 inch	$17.00 Fabric.	15 feet	17 inch	14 inch	$56.00 Facile.
5 feet	17 inch	12 inch	$18.00 Fabrile.	16 feet	17 inch	14 inch	$59.00 Facing.
6 feet	17 inch	12 inch	$20.00 Facade.	17 feet	17 inch	14 inch	$62.00 Fact.
7 feet	17 inch	12 inch	$25.00 Face.	18 feet	17 inch	14 inch	$70.00 Faction.
8 feet	17 inch	14 inch	$28.00 Facer.	19 feet	17 inch	14 inch	$73.00 Factive.
9 feet	17 inch	14 inch	$34.00 Facet.	20 feet	17 inch	14 inch	$80.00 Facto.
10 feet	17 inch	14 inch	$37.00 Facete.	21 feet	17 inch	14 inch	$83.00 Factor.
11 feet	17 inch	14 inch	$40.00 Facette.	22 feet	17 inch	14 inch	$86.00 Factum.
12 feet	17 inch	14 inch	$43.00 Facial.	23 feet	17 inch	14 inch	$89.00 Facture.
13 feet	17 inch	14 inch	$50.00 Facient.	23½ feet	17 inch	14 inch	$92.00 Faddle.

For Patent Lifting Attachment (see A-718), add $4.00.

No. 2.

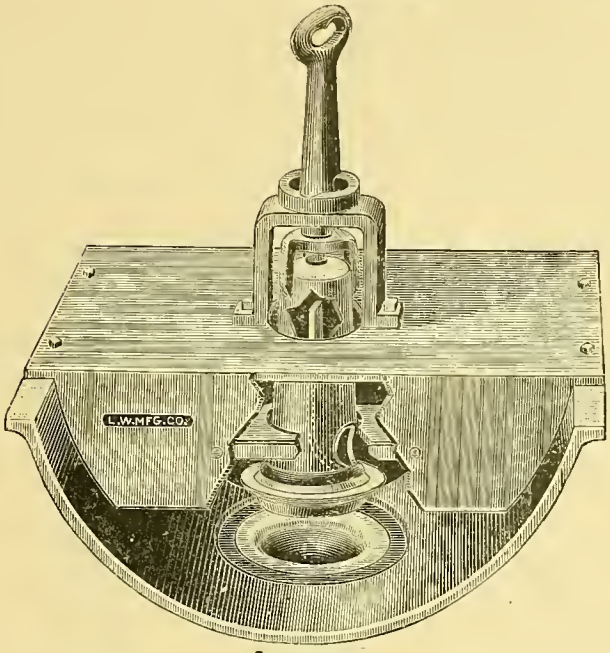
LENGTH.	WIDTH.	DEPTH.	PRICE.	LENGTH.	WIDTH.	DEPTH.	PRICE.
6 feet	33½ inch	14 inch	$30.00 Fadge.	10 feet	33½ inch	14 inch	$50.00 Faery.
7 feet	33½ inch	14 inch	$38.00 Fading.	11 feet	33½ inch	14 inch	$54.00 Faffle.
8 feet	33½ inch	14 inch	$42.00 Fady.	12 feet	33½ inch	14 inch	$58.00 Fag.
9 feet	33½ inch	14 inch	$46.00 Faecial.				

For Patent Lifting Attachment (see A-718), add $5.00.

NOTE—For Washout Water Closet Ranges, with Automatic Tanks, see our Specialties Catalogue "B."

PATENT LIFTING ATTACHMENT.

FOR PRIVY SINKS.



A–718.

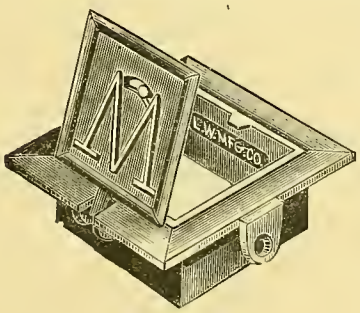
Our Lifting Attachment is a desirable improvement on a Privy Sink, Handle being always clean, and the Plug can be suspended in its place when Sink is discharging. The Plug cannot get lost or stolen.

Our Privy Sinks have a brass valve seat. The Plug has overflow trapped, as may be seen in Sectional View above.

Lifting the Plug and a half turn of the Handle suspends it

STOP COCK BOX COVER.

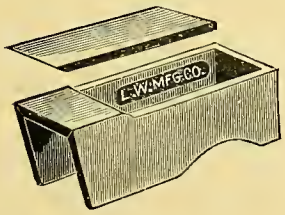
WITH LATCH.



A–719.

With Lugs to Fasten to Side of Wooden Box, each, ... $0.50 Fahlerz.

CORPORATION COCK COVER.

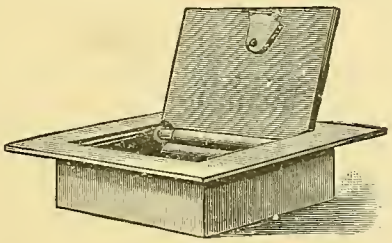


A–720.

Each, ... $0.35 Faience.

STREET WASHER COVER.

WITH HINGED LID.



A–721.

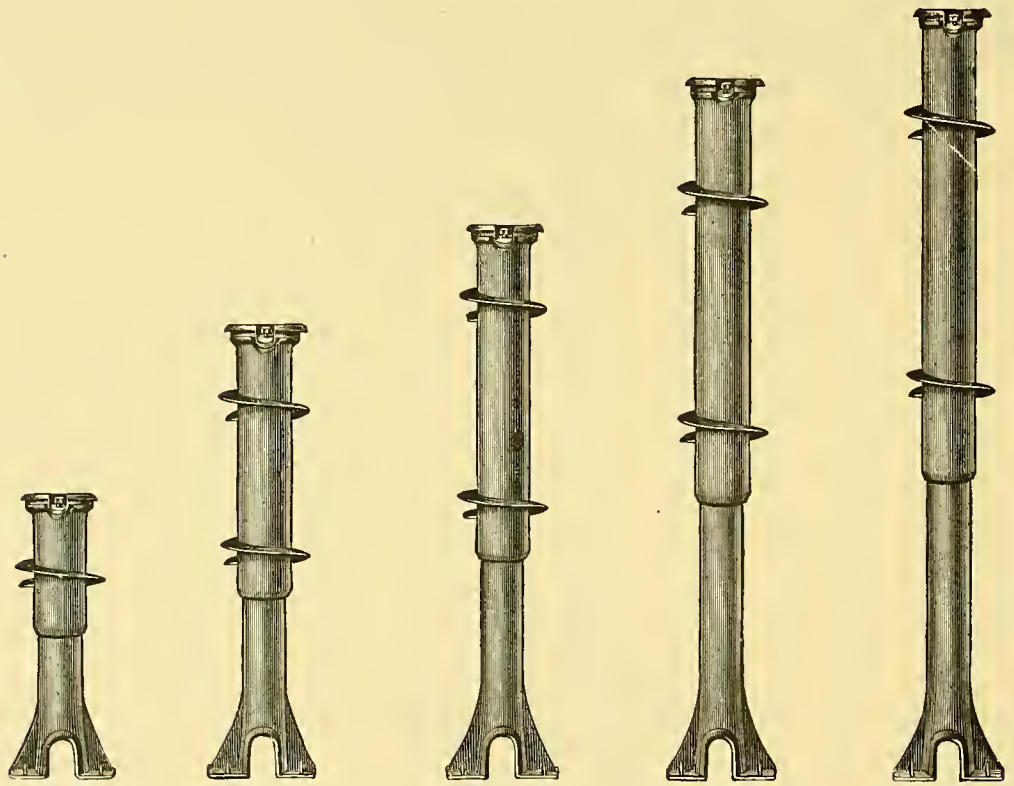
Street Washer Cover, each, ... $1.25 Fail

Plumbers' Address Pattern, Net, extra, . . $2.00 Failing.

WOLFF'S PATENT STOP BOXES.

FOR WATER AND GAS.

3 INCHES INSIDE DIAMETER IN SMALLEST PART OF SHAFT.



No. 2½. No. 3½. No. 4½. No. 5½. No. 6½.

A—722.

Size Number, 2½, Extreme Length, 2 feet 6 inches, Shortest Length, 1 foot 6 inches, each, ...	$1.15 Faillis.
Size Number, 3½, Extreme Length, 3 feet 6 inches, Shortest Length, 2 feet, each, ...	$1.40 Failure.
Size Number, 4½, Extreme Length, 4 feet 6 inches, Shortest Length, 2 feet 6 inches, each, ...	$1.55 Fain.
Size Number, 5½, Extreme Length, 5 feet 6 inches, Shortest Length, 3 feet, each, ...	$1.75 Faint.
Size Number, 6½, Extreme Length, 6 feet 6 inches, Shortest Length, 3 feet 6 inches, each, ...	$1.90 Faints.
Size Number, 7½, Extreme Length, 7 feet 6 inches, Shortest Length, 4 feet, each, ...	$2.20 Fainty.
Size Number, 8½, Extreme Length, 8 feet 6 inches, Shortest Length, 4 feet 6 inches, each, ...	$2.50 Fair.

WOLFF'S PATENT STREET WASHER.

FITTED FOR IRON OR LEAD PIPE.

SIMPLE, DURABLE, CANNOT FREEZE.

A—723.

To Set in Ground,	3	4	5	6 ft.
¾ inch Street Washer, each,	$8.50 Fairing.	9.50 Fairness.	10.50 Fairy.	11.50 Faithful.
1 inch Street Washer, each,	$10.00 Fairly.	11.00 Fairway.	12.00 Faith.	13.00 Faitour.

In ordering be careful to state whether for Iron or Lead Pipe.

These Street Washers are durable, simple in construction and positively cannot freeze, as they waste very rapidly below the frost line. They need no other tools for taking them apart for repairing than a screw driver. No wrench is required. The two Iron Screws are removed, the whole working part can then be readily lifted out. The Iron Screws screw into a brass nut, so that it is impossible for them to rust.

The valve will never need repairing, more than putting on a simple leather washer, which can be cut out with a penknife.

There is a large Iron Flange at the bottom of the Street Washer, below the frost line, which will not permit of the Street Washer being raised in the ground by frost.

The square head for the key is cast iron, and will not wear out in actual use half as fast as if it were brass; and is so made that it, too, can be easily taken off and renewed, should necessity require.

Each Street Washer is tested at our works, so that we can guarantee every one of them. There are no ground joints to give out by using, and after they are once in the ground they will need no further repairing than to renew the leather washer, when it wears out.

VALVE HYDRANTS AND STREET WASHERS.

WHEEL HYDRANT.

A—724.

STREET WASHERS.

A—725.

NEW IMPROVED COMPRESSION AND SELF-CLOSING ANTI-FREEZING; WITH SEDIMENT CHAMBER ATTACHMENT AND GROUND UNION JOINT, FITTED FOR IRON OR LEAD PIPE.

Thousands of these Hydrants have been in use throughout the United States for the past fourteen years, and have given entire satisfaction.

The recently patented valuable improvements render this the most complete and durable Hydrant ever invented.

Requires no digging up for repairs. By unscrewing the Nozzel and Top and lifting the tube from the Stock, on the end of which is the Valve, a new Washer can be put on, which requires little or no mechanical skill. This, however, is not likely to occur in several years.

To Set in Ground,	3	4	5	6 ft.
¾ inch Hydrant, each,	$10.00 Fake.	11.00 Falcon.	12.00 Fall.	13.00 Falsely.
1 inch Hydrant, each,	$12.50 Fakir.	13.50 Falconet.	14.50 Faller.	15 50 Falsetto.
¾ inch Hydrant, Self-Closing, each,	$12.00 Faquir.	13.00 Faldage.	14.00 Fallow.	15.00 Falsify.
¾ inch Street Washer, each,	$ 8.50 Falcade.	9.50 Faldfee.	10.50 Falsary.	11.50 Falsity.
1 inch Street Washer, each,	$10.00 Falcate.	11.00 Falding.	12 00 False.	13.00 Falter.

Malleable Iron Street Washer Keys, per pound, . . . $0.15 Faltrauck.

Hydrant Repairs kept in stock. In ordering be careful to state whether for Iron or Lead pipe.

CORNER.

A—726.

HALF-ROUND.

A—727.

WASH-STANDS.

PATENT OVERFLOW FOR RUBBER PLUG.

CORNER AND HALF-ROUND.

Corner, 13½ inches on side; Half-round, 19 inches on back; Diameter of Bowls, 12½ inches.

Enameled, each, ... $9.50
Falun.

State whether wanted with one or two cock holes.

HALF-ROUND.

A—728.

CORNER.

A—729.

WASH-STANDS.

PATENT OVERFLOW FOR RUBBER PLUG.

CORNER AND HALF-ROUND.

Corner, 16 inches on side; Half-round, 22 inches on back; Diameter of Bowls, 12½ inches.

Enameled, each. . . . $11.50
Famble.

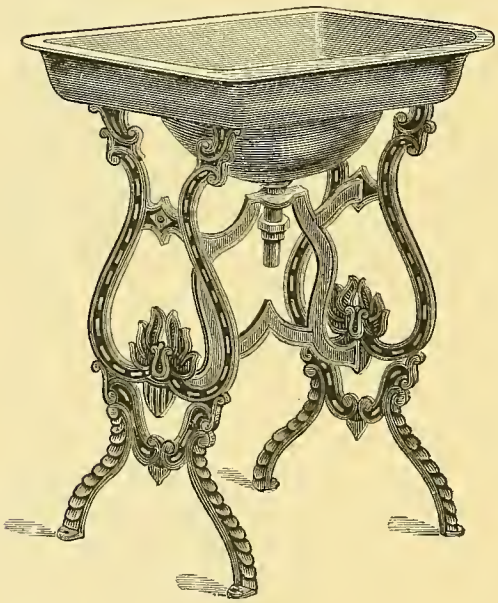
State whether wanted with one or two cock holes.

WASH-STANDS.

PATENT OVERFLOW FOR RUBBER PLUG.

ENAMELED.

ON FRAME.



A—730.

ON STANDARD.

A—731.

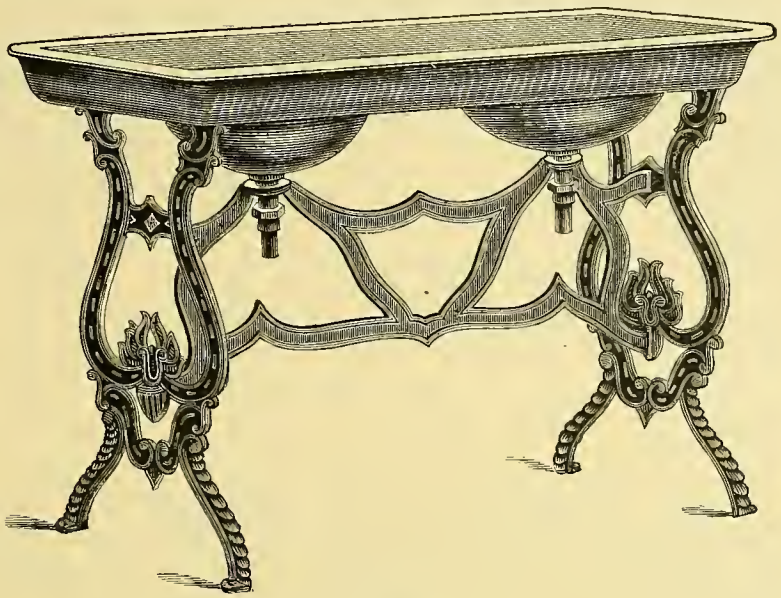
Length on back, 24½ inches; Diameter of Bowls, 12½ inches.

On Frame, each,	$11.00 Fame.
On Standard, each,	$11.00 Fameless.
Plain Iron, Painted, Patent Overflow, including Brass Plug, each,	$7.00 Familist.

State whether wanted with one or two cock holes.

DOUBLE WASH-STANDS.

ON FRAME.

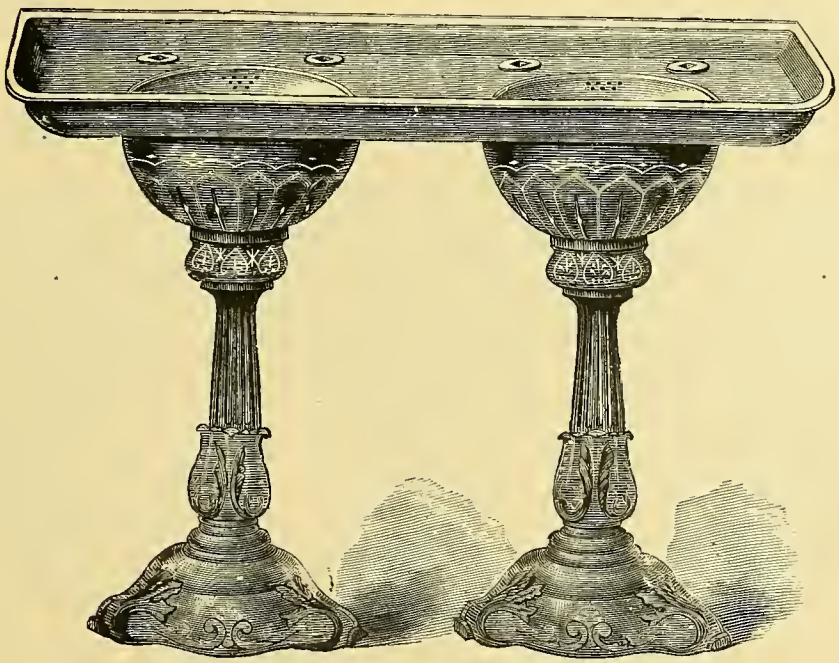


A—732.

Enameled Double Wash-Stand, on Bronzed Frame, each, ... $22.00 Family.

Bowls, Patent Overflow for Rubber Plug.

ON STANDARDS.

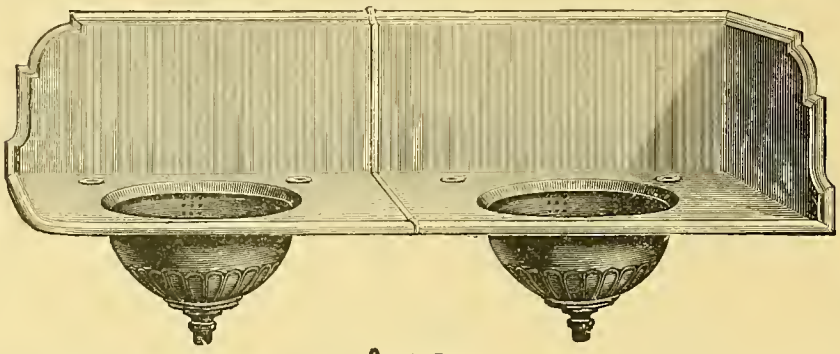


A—733.

Enameled Double Wash-Stand, on Bronzed Standards, each, ... $23.00 Famine.

SECTIONAL SLABS AND BOWLS.

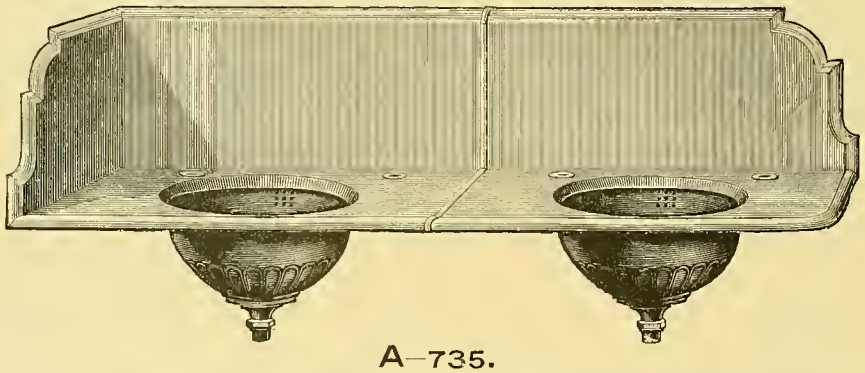
WITH PATENT OVERFLOWS, BASIN WASTE PLUGS AND RUBBER STOPPERS.



A—734.

Length of Back, 48 inches; Height of Back, 10½ inches; Width of Slabs, 19 inches; Diameter of Bowls, 12½ inches, with End-piece on Right Hand side. Brackets extra.

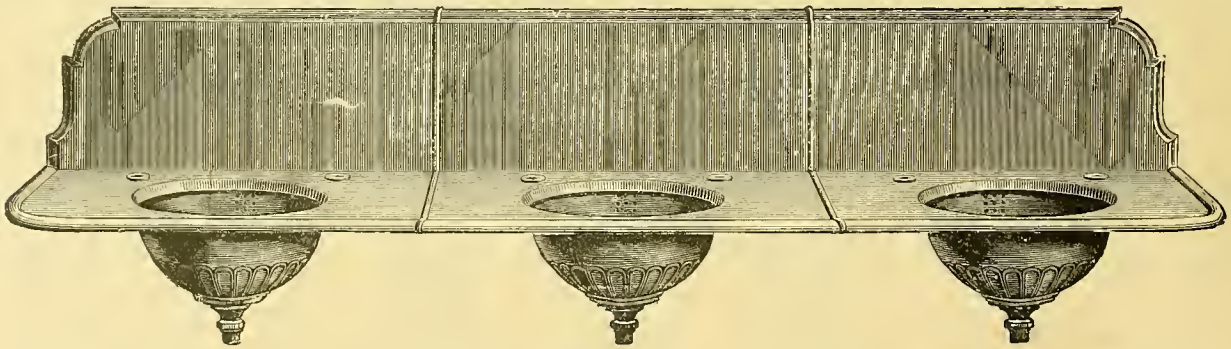
Price as shown, Painted, each,	$14.75 Famish.
Price as shown, Galvanized, each,	$22.50 Famous.
Price as shown, Enameled, each,	$29.00 Famulist.



A—735.

Length of Back, 48 inches; Height of Back, 10½ inches; Width of Slabs, 19 inches; Diameter of Bowls, 12½ inches, with End-piece on Left Hand side. Brackets extra.

Price as shown, Painted, each,	$14 75 Fan.
Price as shown, Galvanized, each,	$22 50 Fanal.
Price as shown, Enameled, each,	$29.00 Fanatic.



A—736.

Total Length, 72 inches; Width of Slabs, 19 inches; Height of Back, 10¼ inches; Diameter of Bowls, 12½ inches. Brackets extra.

Price as shown, Painted, each,	$19.50 Fanatism.
Price as shown, Galvanized, each,	$30.00 Fancied.
Price as shown, Enameled, each,	$39.00 Fancier.

Above can be furnished in any number of Sections desired.

COMBINED SLABS AND BOWLS.

PATENT OVERFLOW.

RUBBER PLUG.

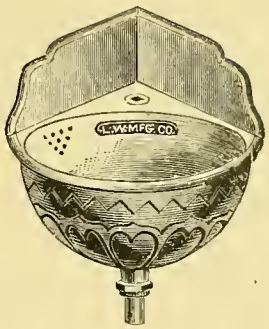
HALF-ROUND.

A—737.

Flange and Faucet Hole on Back.
13 inches wide; 12 inch Bowl.

Enameled, each, ... $4.50 Fang.

CORNER.



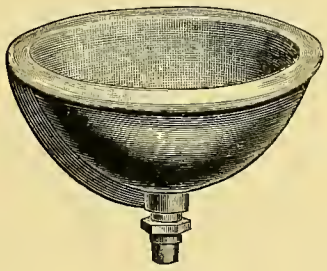
A—738.

12 inch Bowl.
One Cock Hole.

Enameled, each, ... $4.50 Fanged.

IRON WASH BASIN.

PATENT OVERFLOW, WITH PLATED PLUG AND STOPPER.



A—739.

14 inch. Enameled, each, ... $3.50 Fangle.

COMBINED SLABS AND BOWLS.

PATENT OVERFLOW.

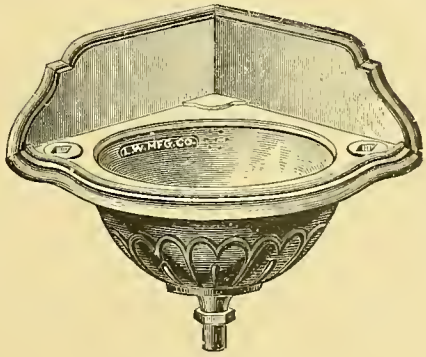
RUBBER PLUG.

HALF-ROUND.

A—740.

Enameled, each, ... $7.50 Fangled.

CORNER.



A—741.

Enameled, each, ... $7.50 Fangless.

State if wanted with one or two Cock Holes.

GALVANIZED RANGE BOILERS.

We have a very complete and extensive plant for the manufacture of Range Boilers, we think the best equipped one in operation.

Doing our own galvanizing, making our own rivits and doing the drawing up work of the heads, all of which is not done by other makers, customers can rely on our boilers being thoroughly well made in all parts.

The Brass Couplings for lead pipe which we furnish with 66 and 82 gallon boilers, have ¾ openings so that 1 inch pipe can be run to the water back if desired; these couplings are somewhat larger than the regular kind sold.

All Boilers 82 gallon and smaller have the spuds tapped 1 inch iron pipe thread.

The 100 and 120 gallon boiler couplings for lead pipe are ¾ inch for the top connections and for 1 inch lead pipe side and bottom, for circulation to water back.

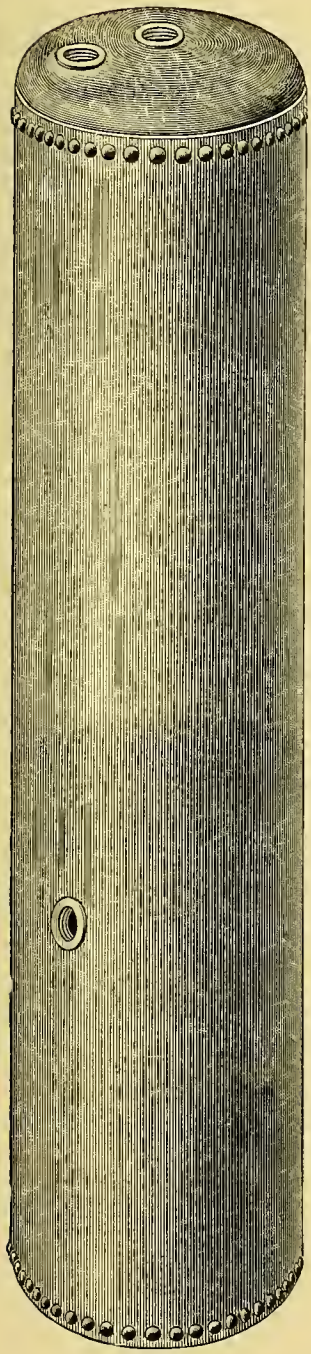
Top spuds tapped 1 inch iron pipe, side and bottom tapped 1¼ inch iron pipe.

The 144 gallon boilers and larger have ¾ inch top couplings for lead pipe, the side and bottom so that 1 or 1¼ inch lead pipe can be used to water back.

Top spuds are tapped 1 inch iron pipe. side and bottom 1½ inch iron pipe; 100 gallon boilers and larger have tube ¾ inch iron pipe.

Special Size Boilers made to order.

GALVANIZED RANGE BOILERS.



A—742.
Fear.

CAPACITY	SIZE.	PRICE.
18 gallons,	3 feet by 12 inches,	$14.50 Fangot.
21 gallons,	3½ feet by 12 inches,	$15.50 Fanion.
24 gallons,	4 feet by 12 inches,	$15.75 Fannel.
24 gallons,	3 feet by 14 inches,	$19.00 Fanner.
27 gallons,	4½ feet by 12 inches,	$18.50 Fanon.
28 gallons,	3½ feet by 14 inches,	$20.25 Fantail
30 gallons,	5 feet by 12 inches,	$19.00 Fantasm.
32 gallons,	4 feet by 14 inches,	$21.00 Fantast.
35 gallons,	5 feet by 13 inches,	$21.00 Fantasy.
36 gallons,	6 feet by 12 inches,	$24.50 Fantone.
36 gallons,	4½ feet by 14 inches,	$21.50 Fanwheel.
40 gallons,	5 feet by 14 inches,	$24.00 Fap.
42 gallons,	4 feet by 16 inches,	$26.00 Faquire.
47 gallons,	4½ feet by 16 inches,	$30.00 Far.
48 gallons,	6 feet by 14 inches,	$30.00 Farand.
52 gallons,	5 feet by 16 inches,	$31.00 Farce.
53 gallons,	4 feet by 18 inches,	$31.50 Farcial.
63 gallons,	6 feet by 16 inches,	$38.00 Farcilite.
66 gallons,	5 feet by 18 inches,	$38.00 Farcin.
79 gallons,	6 feet by 18 inches,	$44.00 Farcy.
82 gallons,	5 feet by 20 inches,	$45.50 Farctate.
98 gallons,	6 feet by 20 inches,	$61.50 Fard.
100 gallons,	5 feet by 22 inches,	$63.50 Farday.
120 gallons,	6 feet by 22 inches,	$74.00 Fardel.
120 gallons,	5 feet by 24 inches,	$72.50 Fare.
144 gallons,	6 feet by 24 inches,	$103.00 Farewell.
168 gallons,	7 feet by 24 inches,	$120.00 Farfet.
192 gallons,	8 feet by 24 inches,	$132.00 Farfetch

N. B.—The above prices are for Boilers only.

A—743.
Fane.
Prices on Application

GALVANIZED RANGE BOILERS, VERTICAL.

WITH COPPER STEAM COIL INSIDE.

We manufacture these Boilers with copper coil inside to heat the water by steam.

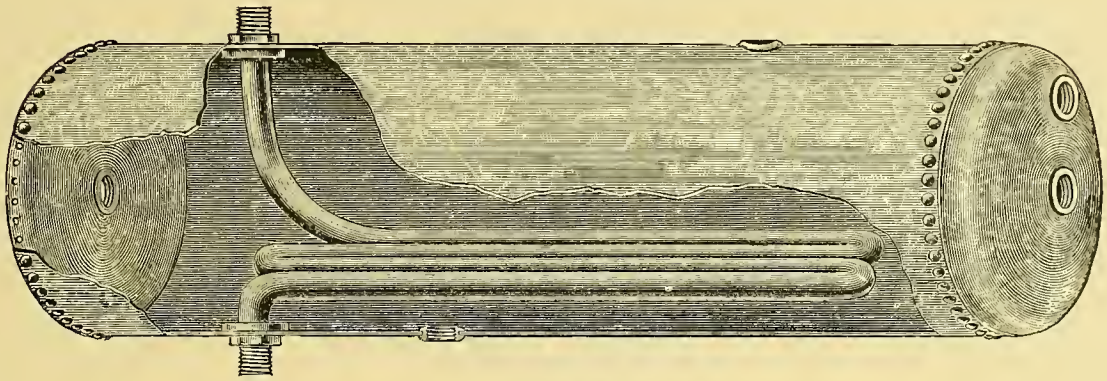
The pressure of steam, size of Boiler and quantity of hot water required determines the number of feet of heating coil needed; therefore the cost varies so much that no price can be attached.

The regular 1 inch pipe openings for the connection to water back are in the boilers, so that they can be use if desired, or plugged if not wanted.

NOTE—When ordering always state the number of pounds of steam pressure to be used on the copper coil.

GALVANIZED RANGE BOILER, HORIZONTAL.

WITH COPPER STEAM COIL INSIDE.



A—744.
Farthest.

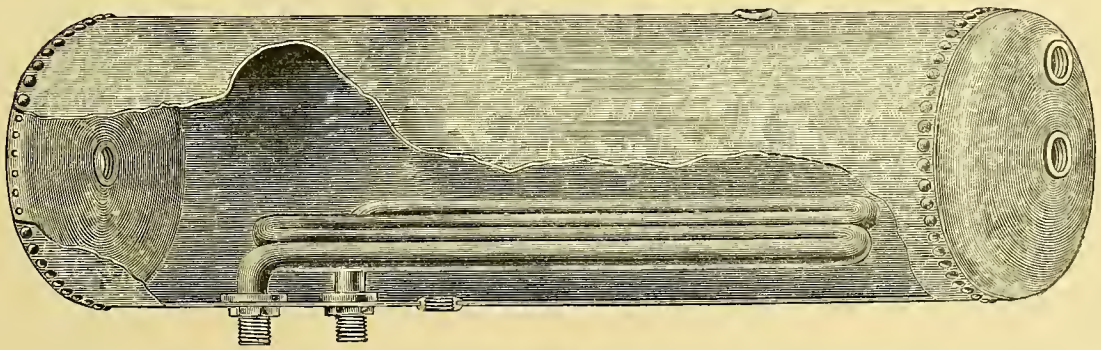
With Inlet at Top.

Prices upon application.

NOTE—When ordering, always state the **Number of Pounds of Steam Pressure** to be used on the copper coil.

GALVANIZED RANGE BOILER, HORIZONTAL.

WITH COPPER STEAM COIL INSIDE.



A—745.
Farthing.

With Inlet at Bottom.

Prices upon application.

NOTE—When ordering, always state the **Number of Pounds of Steam Pressure** to be used on the copper coil.

BOILER STANDS.

A—746.

For 30 Gallon Boiler, or smaller, 12 inch Ring, each,	$1.25	Farina.
For 35 Gallon Boiler, 13 inch Ring, each,	1.35	Farinose.
For 40 Gallon Boiler, 14 inch Ring, each,	1.40	Farl.
For 52 Gallon Boiler, 16 inch Ring, each,	1.85	Farlies.
For 66 Gallon Boiler, 18 inch Ring, each,	2.00	Farm
For 82 Gallon Boiler, 20 inch Ring, each,	2.25	Farmer.
For 100 Gallon Boiler, 22 inch Ring, each,	2.75	Farmery.
For 120 Gallon Boiler, or over, 24 inch Ring, each,	3.50	Farming.

State if wanted for Iron or Copper Boilers.

A—747.

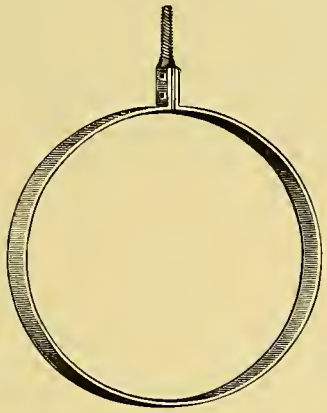
SIX INCHES SHORTER THAN REGULAR.

For 30 Gallon Boiler, or smaller, 12 inch Ring, each,	$1.25	Farmost.
For 35 Gallon Boiler, 13 inch Ring, each,	1.35	Farness.
For 40 Gallon Boiler, 14 inch Ring, each,	1.40	Faro.
For 52 Gallon Boiler, 16 inch Ring, each,	1.85	Farrago.
For 66 Gallon Boiler, 18 inch Ring, each,	2.00	Farrand.
For 82 Gallon Boiler, 20 inch Ring, each,	2.25	Farrier.
For 100 Gallon Boiler, 22 inch Ring, each,	2 75	Farrow.
For 120 Gallon Boiler, or over, 24 inch Ring, each,	3.50	Farry

State if wanted for Iron or Copper Boilers.

WROUGHT IRON HANGER.

FOR HORIZONTAL BOILER.

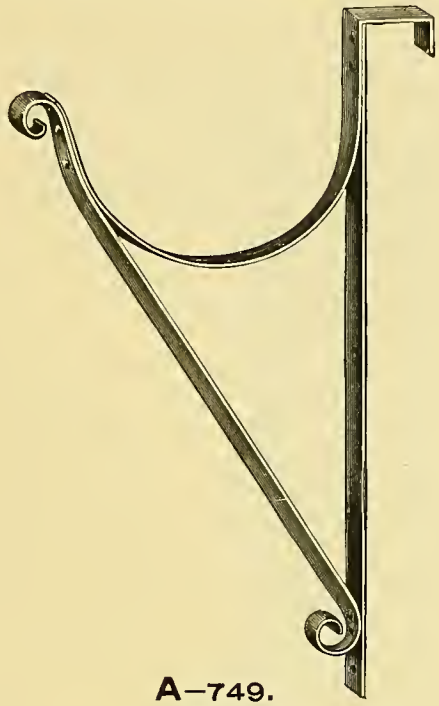


A—748.
Fancy.

Are made to order for any size Boiler.

WROUGHT IRON BRACKET.

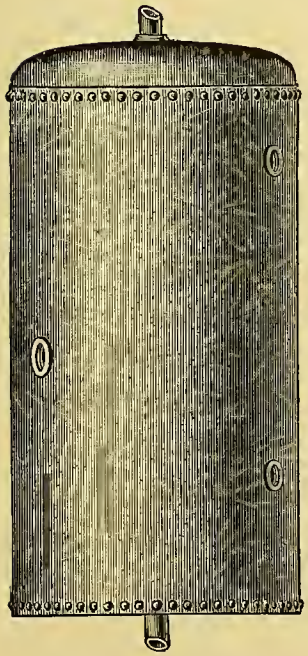
FOR HORIZONTAL BOILER.



A—749.
Fand.

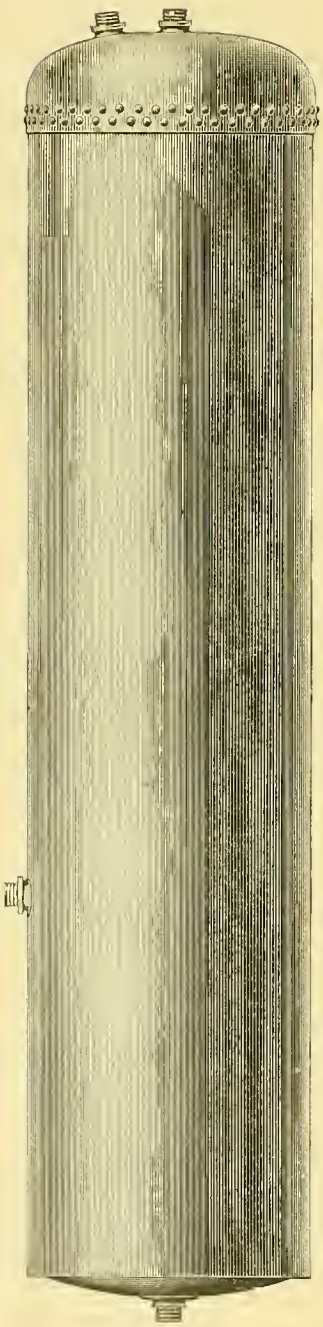
Are made to order for any size Boiler.

GALVANIZED HOT WATER EXPANSION TANKS.



A—750.

CAPACITY.	SIZE.	
10 gallons,	12 x 20 inches, each,	$8 00 Farther.
12 gallons,	12 x 24 inches, each,	$8.50 Faces.
15 gallons,	12 x 30 inches, each,	$9.00 Fascet.
18 gallons,	12 x 36 inches, each,	$9.50 Fascia.
20 gallons,	14 x 30 inches, each,	$12.50 Fascicle.
24 gallons,	14 x 36 inches, each,	$13.00 Fascine.
26 gallons,	16 x 30 inches, each,	$14.00 Fash.
32 gallons,	16 x 36 inches, each,	$15.00 Fashion.
42 gallons,	16 x 48 inches, each,	$16.50 Fast.
66 gallons,	18 x 60 inches, each,	$31.00 Fastener.
82 gallons,	20 x 60 inches, each,	$37.00 Faster.
100 gallons,	22 x 60 inches, each,	$51.00 Fasti.
120 gallons,	24 x 60 inches, each,	$58.00 Fastly.



A–751.

COPPER BOILERS.

Size,	30	40	60	80	100 gals.
High Pressure up to 40 lbs., each,	$26.00 Fatalist.	34.00 Fate.	55.00 Fated.	72 00 Fateful.	95.00 Father.
Low Pressure, each,	$24.00 Fathom.	32.00 Fatigue.	52.00 Fatting.	68.00 Fattute.	90.00 Fatty.
High Pressure up to 80 lbs., each,	$40.00 Favor.	50.00 Favored.	80.00 Favorer.	102.00 Favoress.	135.00 Favorite.

NOTE—"High Pressure up to 40 lbs." Boilers will always be sent unless otherwis ordered.

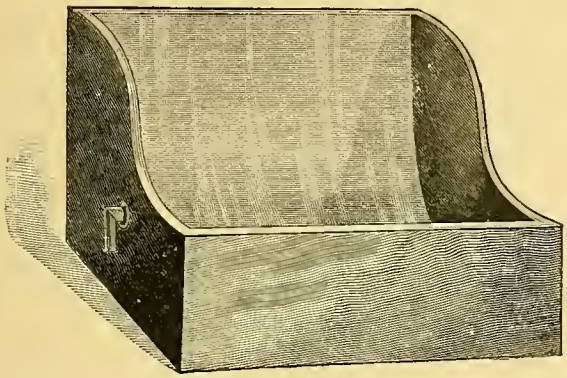
COPPER BOILERS WITH COPPER STEAM COIL INSIDE.

We can furnish Copper Boilers with Copper Steam Coil inside, either Horizontal or Vertical as shown in A–743, A–744 and A–745.

Prices upon application.

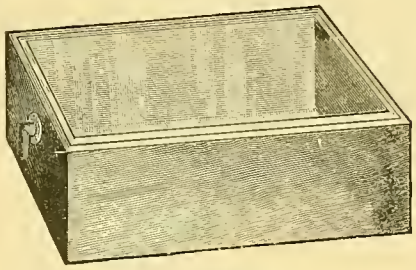
When ordering always state the **Number of Pounds of Steam Pressure** to be used on the Copper Coil.

SEAT TUBS.



A–752.

FOOT TUBS.



A–753.

SEAT TUBS.

Size, 24 x 22 inches.

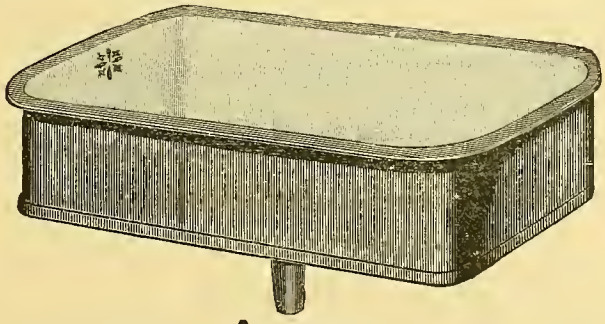
Weight, Copper,	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.
Each,	$10.00 Fatner.	11.00 Fatness.	12.00 Fatten.	13.00 Fattish.	14.00 Fatty.	15.00 Fatuity.

FOOT TUBS.

Size, 16 x 20; 10 inches deep.

Weight, Copper,	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.
Each,	$7.50 Faubourg	8.50 Faucal.	9.50 Fauces.	10.50 Faucet.	11.50 Faufel.	12.50 Faugh.

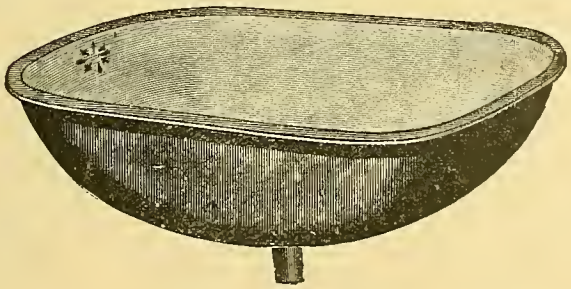
SQUARE COPPER PANTRY SINKS.



A–754.

12 x 18 in.	12 x 20 in.	14 x 16 in.	14 x 20 in.	14 x 24 in.	16 x 24 in.	30 in.	18 x 30 in.
$4.50 Faule.	5.00 Fault.	4 50 Faulter.	6.00 Faulting.	7.00 Faulty.	8.00 Faun.	10.00 Fauna.	11.00 Faunist.

OVAL COPPER PANTRY SINKS.

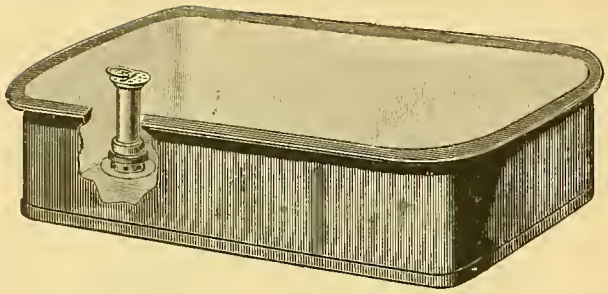


A–755.

Size,	12 x 18 in.	12 x 20 in.	14 x 16 in.	14 x 20 in.	14 x 24 in.	16 x 24 in.	16 x 30 in.	18 x 30 in.
Each,	$6.00 Faunees.	6.50 Fausen.	7.00 Fautor.	7.50 Fautress.	9.00 Faux.	10.00 Fauxpas.	12.00 Favel.	13.00 Favillous.

SQUARE COPPER PANTRY SINKS.

WITH PATENT STANDING OVERFLOW AND WASTE.



A—756.

Size,	12 x 18 in.	18 x 20 in.	14 x 16 in.	14 x 20 in.
Each,	$7.00 Fruit.	7.50 Fruitage.	7.00 Fruitive.	8.50 Frump.
Size,	14 x 24 in.	16 x 24 in.	16 x 30 in.	18 x 30 in.
Each,	$9.50 Frush.	10.50 Frustra.	12.50 Frutex.	13.50 Fry.

COPPER BALLS.

WITH LEVER.

A—757.

Size,	5	6	7	8	9	10	12 in.
Per doz.,	$6.00 Fuage.	7.00 Fuar.	10.50 Fub.	24.00 Fubby.	36.00 Fubsy.	48.00 Fucate.	72.00 Fucoid.

WITH SPUDS TAPPED FOR 1/4 INCH I. P.

A—757 1/2.

Size,	5	6	7	8 in.
Per doz.,	$4.00 Fucus.	6.00 Fud.	9.00 Fudder.	15.00 Fudge.

HEAVY BRAZED COPPER BALLS

FOR EXTERNAL STEAM OR WATER PRESSURE.

Pressure lbs.,	20	40	60	80	100
Size, 4 in., ea.,	$2.50 Fuel.	2.85 Fuero.	3.75 Fuff.	4.25 Fuga.	5.50 Fugato.
Size, 5 in., ea.,	$4.00 Fugh.	4.25 Fugue.	4.75 Fuguist.	5.50 Fulcrate	6.25 Fulfil.
Size, 6 in., ea.,	$5.25 Fulgent.	6.50 Fulgid.	7.25 Fulgor.	8.00 Fulham.	8.50 Full.
Size, 7 in., ea.,	$7.25 Fullam.	8.00 Fully.	8.75 Fulmar.	9.25 Fulmine.	10.00 Fulness.

Pressure lbs.,	20	40	60	80	100
Size, 8 in., ea.,	$8.75 Fulsome.	9.25 Fulvid.	10.00 Fulvous.	10 75 Fum.	11.50 Fumado.
Size, 9 in., ea.,	$9.00 Fumage.	9.75 Fumble.	10.25 Fume.	11.25 Fumer.	11.75 Fumet.
Size, 10 in., ea.,	$9.50 Fumid.	10.00 Fumy.	10.75 Fun.	11.50 Fund.	12.25 Fundless.

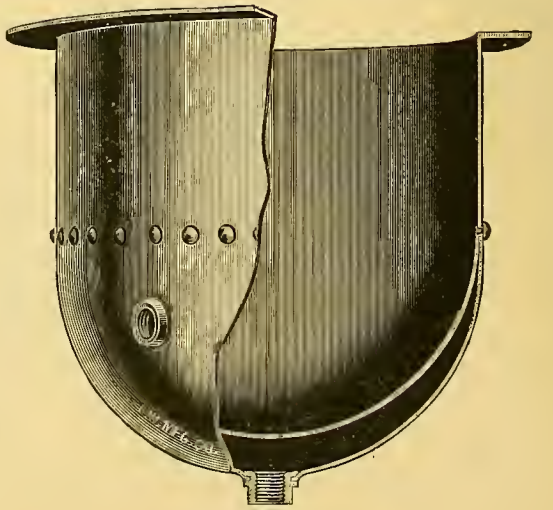
A—758.

COPPER CLOSET PANS

Weight of Copper,	18 oz.	20 oz.	24 oz.
Per dozen,	$8.00 Fundus.	10.00 Funeral.	12.00 Funest.

COPPER MILK AND OYSTER KETTLES

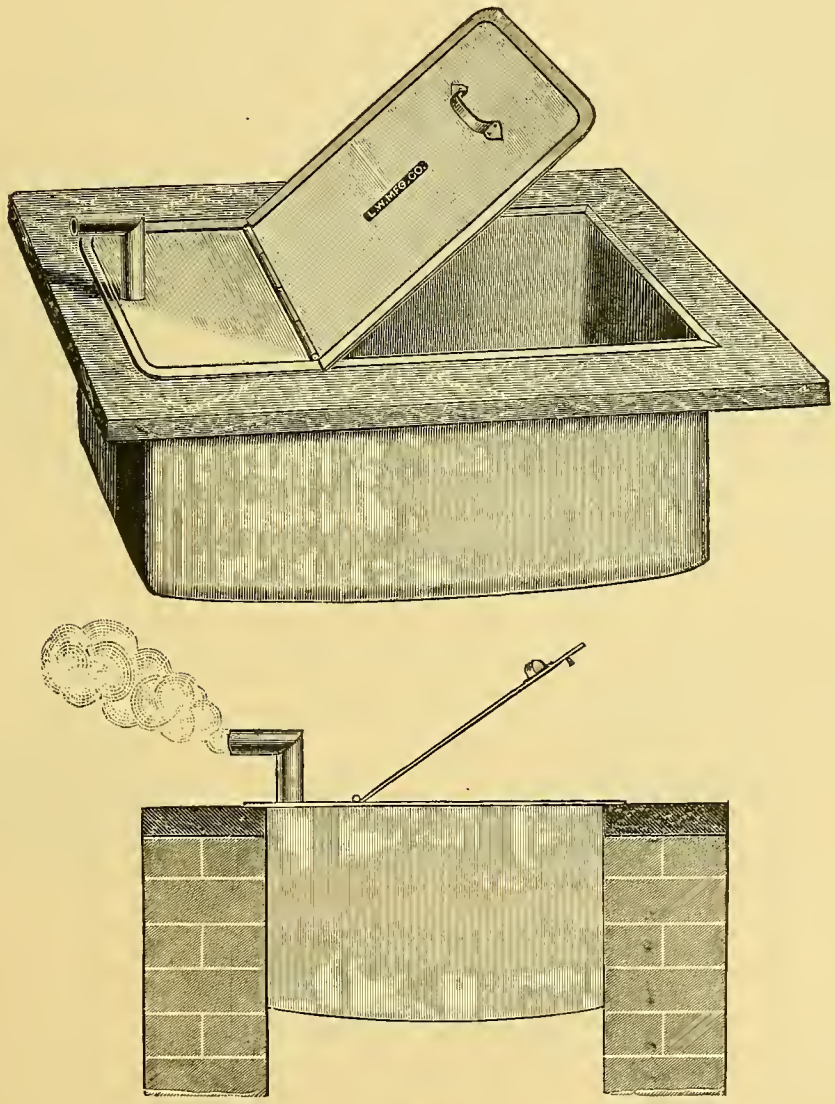
10 Gallons, each,	$42.50 Fungal.
6 Gallons, each,	$29.25 Funge.
4 Gallons, each,	$25.00 Fungic.
2 Gallons, each,	$21.00 Fungine.
1 Gallon, each,	$16.75 Fungus.
½ Gallon, each,	$11.25 Funis.



A—759.

COPPER WASH BOILER.

FOR BOILING CLOTHES.



A—760.

The above are made to order of any size wanted. A rim of Soap-stone or Slate surrounds them and sets on the brick-work.

The Boiler sets in brick fire-place built for it.

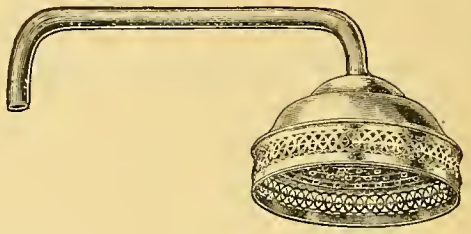
TINNED COPPER SHOWERS.

No. 0.

A—760½.

Plain Showers, for ½ in. Iron Pipe, per doz., $11.00 Fickle.

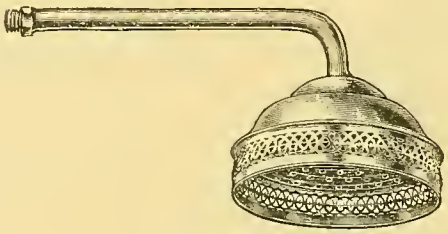
No. 1.



A—761.

Plain Showers, per doz., . . . $12.00 Feaze.

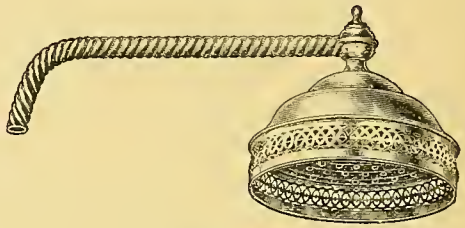
No. 1½.



A—761½.

Plain Showers, for ½ in. Iron Pipe, per doz., $15.00 Fico.

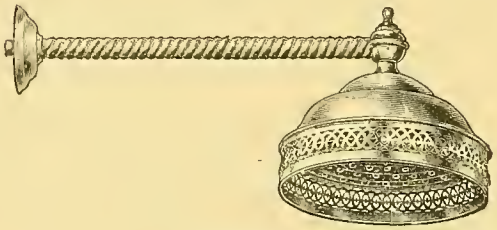
No. 2.



A—762.

Fancy Showers, per doz., . . . $15.00 Fegal.

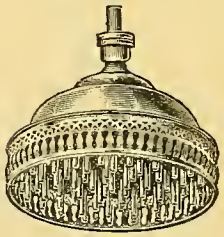
No. 3.



A—763.

Fancy Showers, with Flange and Thimble, per doz., ... $17.50 Feces.

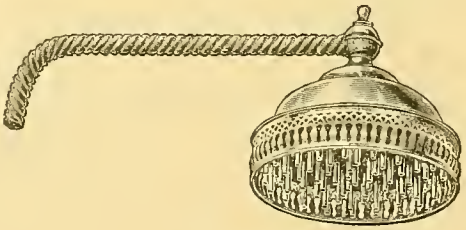
No. 4.



A—763½

Tubular Showers, per doz., . . . $27.00 Fecial.

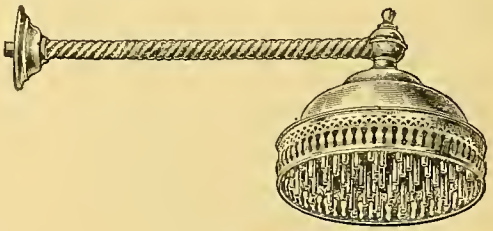
No. 5.



A—764.

Fancy Tubular Showers, per doz., . . $30.00 Fecifork.

No. 6.

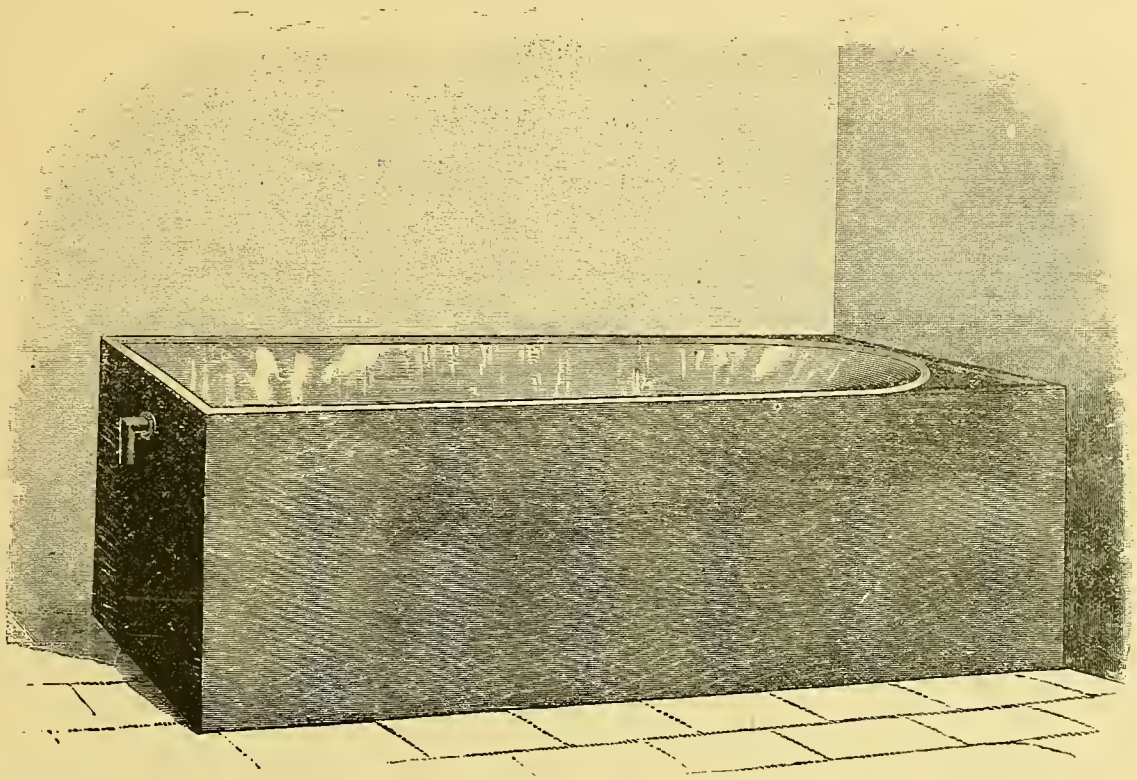


A—765.

Fancy Tubular Showers, with Flange and Thimble, per doz., ... $32.00 Feckess.

NOTE—Special Showers up to 18 inches in diameter made to order.

WOLFF'S COPPER BATH TUBS.



A—766.

PRICES, AS ILLUSTRATED.

Outside width of Tubs at head and foot, 24 inches; outside depth of Tubs, 19 inches; outside length of Tubs, 5, 5½ and 6 feet.

Weight of Copper,	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz
Each,	$15.00 Fecula.	16.00 Fecund.	18.00 Fed.	20.00 Fedary.	22.00 Federal.	24.00 Fedity.

ZINC TUBS.

5, 5½ or 6 feet, each, ... $8.00 Fee.

We can furnish the above, fitted with Patent Overflow, at an advance in list of . . . . . $4 00 Feeble

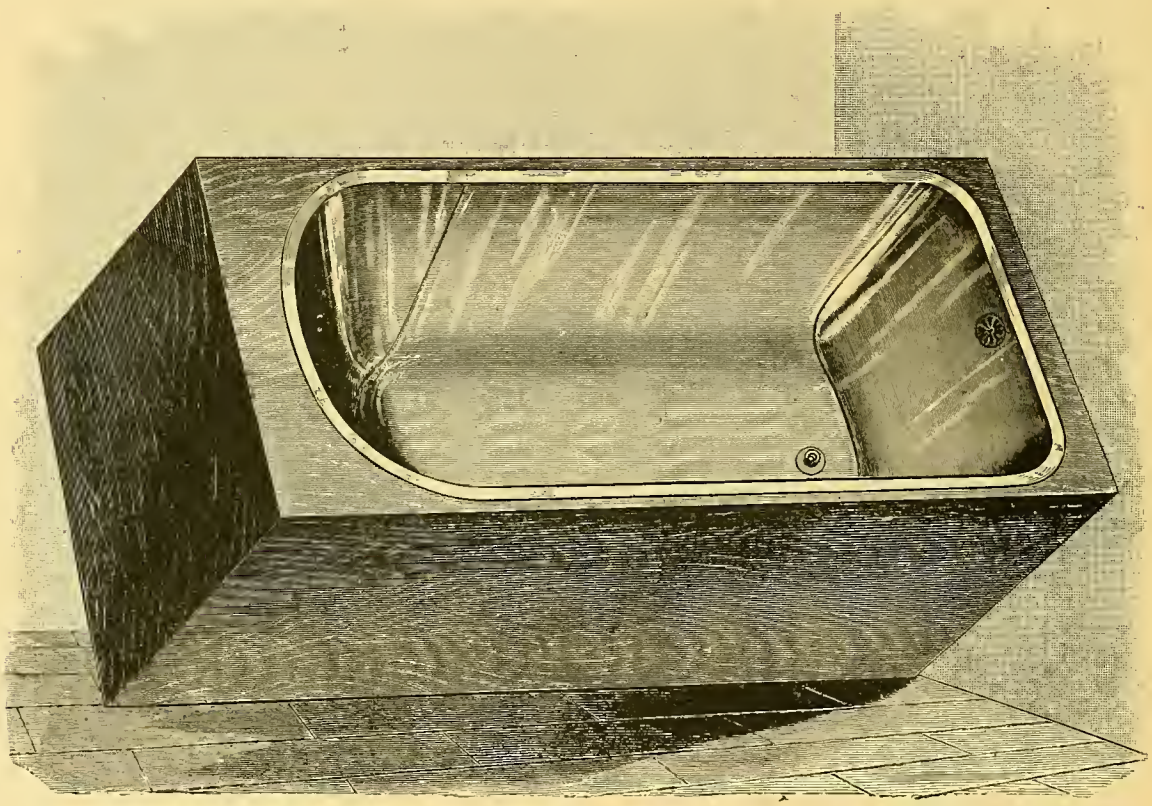
Smaller size Bath Tubs to order, usually no extra charge. Larger size Bath Tubs to order of Copper, 12 ounce and heavier.

Our Bath Tubs are made from 1¼ inch season dried lumber; all others use 1 inch to cheapen the article, and it is too light for the purpose. All our Tubs are stamped with our name, weight of Copper, and warranty on the Copper at the head of the Tub.

Being engaged in the manufacture of Bath Tubs over thirty years, parties can depend upon getting a first-class reliable Tub when made by us.

WOLFF'S COPPER BATH TUBS.

FRENCH PATTERN.



A—767.

PRICES, AS ILLUSTRATED.

Outside width of Tubs at head and foot, 26¼ inches; outside depth of Tubs, 22 inches.

Weight of Copper,	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.
4 feet 6 inches long,	$16.00 Feebly.	17.00 Feel.	19.00 Feet.	21.00 Feign.	23.00 Feline.	25 00 Fellable.
5 feet long,	$18.00 Feed.	19.00 Feeler.	21.00 Feetail.	23.00 Feigned	25.00 Felis.	27.00 Fellah.
5 feet 6 inches long,	$20.00 Feeder.	21.00 Feere.	23 00 Feetless.	25.00 Feigner.	27.00 Fell.	29.00 Feller.
6 feet long,	$22.00 Feeding.	23.00 Feese.	25.00 Feeze.	27.00 Feint.	29.00 Fellable.	31.00 Fellness.

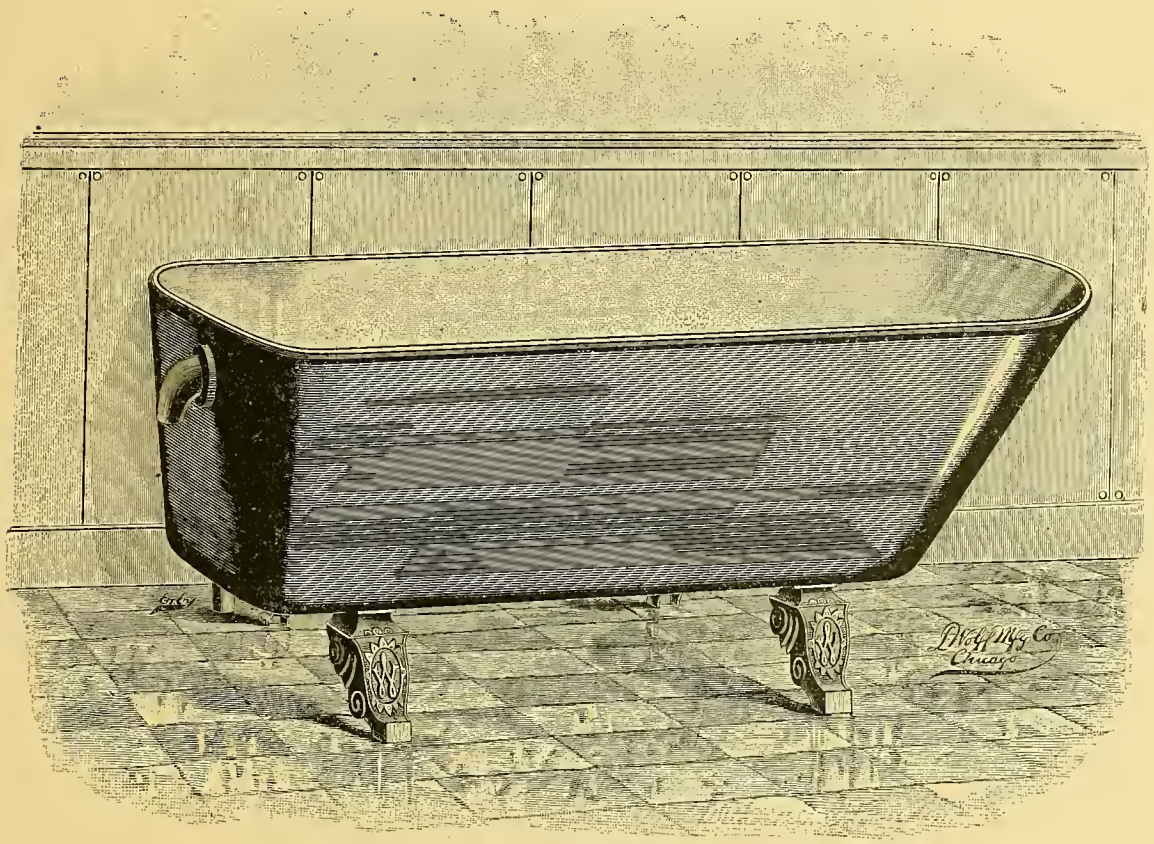
Our Bath Tubs are made from 1¼ inch season dried lumber; all others use 1 inch to cheapen the article, and it is too light for the purpose. All our Tubs are stamped with our name, weight of Copper, and warranty on the Copper at head of Tub.

Being engaged in the manufacture of Bath Tubs over thirty years, parties can depend upon getting a first-class, reliable Tub when made by us.

PORCELAIN LINED BATHS.

FRENCH PATTERN.

WITH NICKEL PLATED OVERFLOW STRAINER AND PLUG WITH RUBBER STOPPER.



A—768.

4 feet, each,	$31.00 Felloe.
4½ feet, each,	$34.00 Fellow.
5 feet, each,	$38.00 Felly.
5½ feet, each,	$42.00 Felon.
6 feet, each,	$46 00 Felonry.

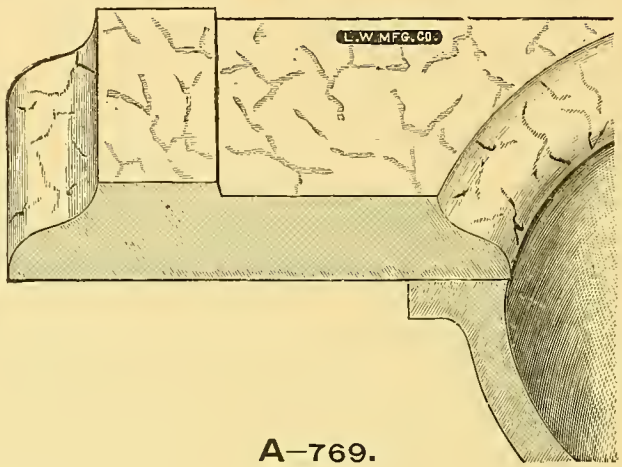
NOTE—For a complete line of **Porcelain lined** and **Monarch Porcelain** Baths see our Specialties "Catalogue B."

PLUMBERS' SLABS.

IN ITALIAN, AMERICAN, TENNESSEE AND OTHER MARBLES.

O. G. MOULDING.

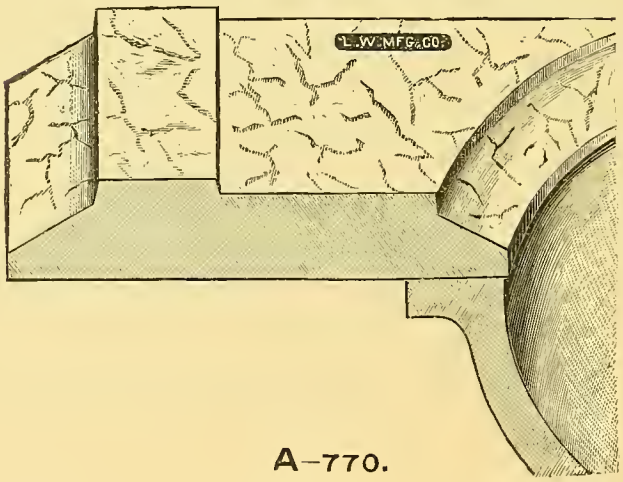
ON EDGE OF SLAB AND IN BASIN HOLE.



A–769.
Fey.

FILLET AND CHAMPFER MOULDING.

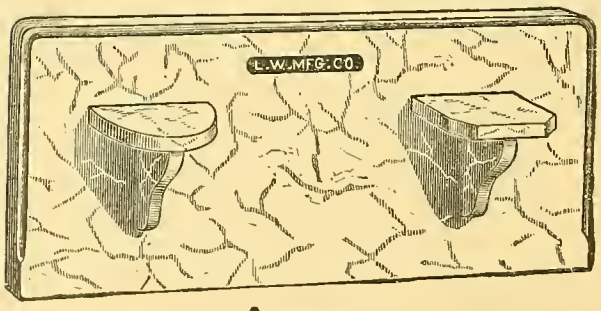
ON EDGE OF SLAB AND IN BASIN HOLE.



A–770.
Fez.

A moulding finish in basin hole greatly improves the appearance of slabs; we only, in this country, put this finish on, as, having built special machinery for it, it adds nothing to the cost of the work. We call attention to our Fillet and Champfer Moulding. This style Moulding corresponds with the general inside finish now put on the wood work. We furnish at same price as O. G. Those desiring our make of slabs will need to specify "**Wolff Mn'fg Co.**'s make," and call for Fillet and Champfer Moulding, if such is wanted. All our work is done by machinery; counter-sinking is extra deep. All lines are true, square or round. All edges are squared up and fitted on the rubbing bed, and we work close to sizes given. We give our customers superior workmanship, extra quality of stock, prompt shipment and bottom prices, and refer to any of them for confirmation of these claims.

2,000 Slabs, O. G. Moulding, regular sizes, kept in stock.



A–771.

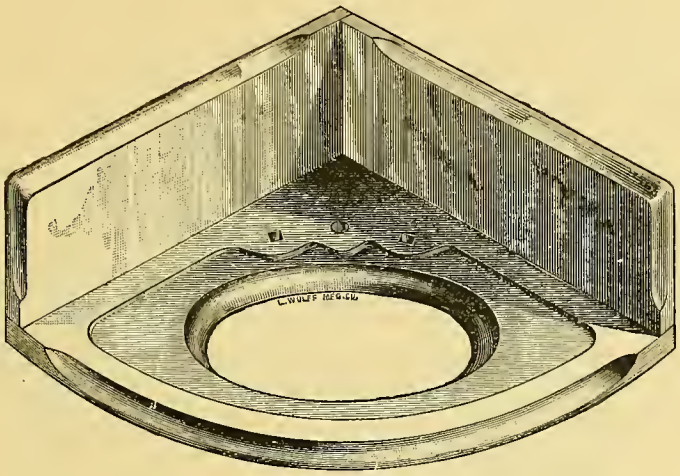
BACKS AND BRACKETS.

The above cut shows Back for Slab, with two styles of Shelves or Brackets.

Price of Brackets only, either style, each, . . . $0.75
Felony.

CORNER SLABS.

TWO BACKS.



A—772.

SIZE OF SLABS.

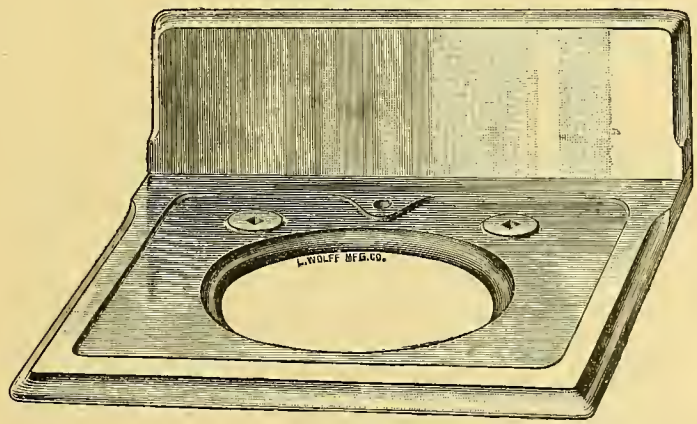
18	19	20	21	22	24 in.
NO. FEET IN SLABS, 8 INCH BACKS.					
4 ft. 10 in. Felsite.	5 ft. 3 in. Felspar.	5 ft. 9 in. Felspath.	6 ft. 2 in. Felt.	6 ft. 6 in. Felter.	7 ft. 6 in. Felting.
NO. FEET IN SLABS, 10 INCH BACKS.					
5 ft. 4 in. Feltre.	5 ft. 9 in. Felwort.	6 ft. 3 in. Female.	6 ft. 8 in. Fen.	7 ft. 2 in. Fence.	8 ft. 2 in. Fenceful.
NO. FEET IN SLABS, 12 INCH BACKS.					
6 ft. 0 in. Fencer.	6 ft. 5 in. Fencible.	6 ft. 11 in. Fencing.	7 ft. 4 in. Fend.	7 ft. 10 in. Fender.	8 ft. 10 in. Fenduck.

All Slabs have 8 inch backs, unless otherwise ordered.

In ordering Slabs, be particular to state size, kind of Marble, number of Cock Holes, if for Chain Stay and Clamps, size of Bowl, and whether round, oval or square. In calculating measurements add one inch to each finished edge.

SQUARE SLABS.

SINGLE BACK.



A—773.

SIZE OF SLABS.

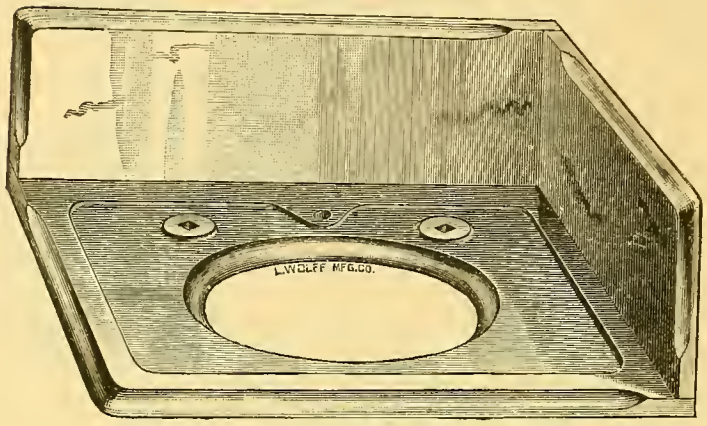
19 x 24	20 x 24	20 x 26	20 x 28	20 x 30	22 x 28	22 x 30	22 x 36 in.
NO. FEET IN SLABS, 8 INCH BACKS.							
5 ft. 3 in. Fengite.	5 ft. 6 in. Fenks.	5 ft. 10 in. Fennec.	6 ft. 4 in. Fennee.	6 ft. 8 in. Fennish.	6 ft. 9 in. Fenny.	7 ft. 1 in. Fenowed.	8 ft. 6 in. Fensible.
NO. FEET IN SLABS, 10 INCH BACKS.							
5 ft. 7 in. Feod.	5 ft. 10 in. Feodal.	6 ft. 3 in. Feoff.	6 ft. 9 in. Feral.	7 ft. 1 in. Fere.	7 ft. 2 in. Ferial.	7 ft. 6 in. Ferle.	9 ft. 0 in. Ferier.
NO. FEET IN SLABS, 12 INCH BACKS.							
5 ft. 11 in. Ferme	6 ft. 2 in Ferily.	6 ft. 7 in. Ferm.	7 ft. 2 in. Ferment.	7 ft. 7 in. Fern.	7 ft. 7 in. Fernery.	8 ft. 0 in. Ferny.	9 ft. 6 in. Ferous.

N.B.—Slabs ordered without Backs or Sides, cost more per square foot.

Slabs for Combination Cocks and Oval Bowls must not be less than 22 inches wide.

SQUARE SLABS.

WITH BACK AND RIGHT HAND END.



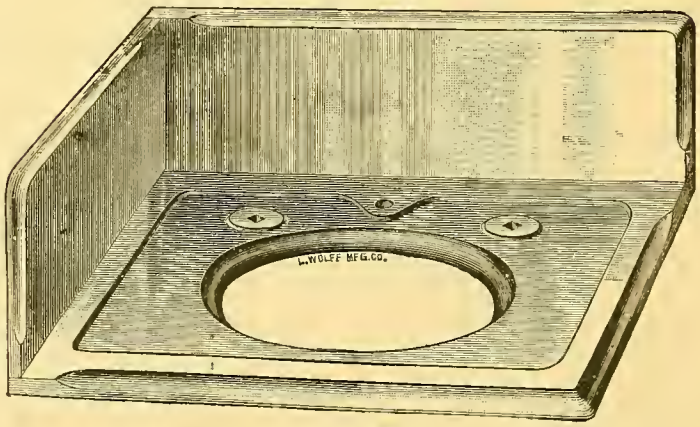
A—774.

SIZE OF SLABS.

19 x 24	20 x 24	20 x 26	20 x 28	20 x 30	22 x 28	22 x 30	22 x 36 in.
NO. FEET IN SLABS, 8 INCH BACKS.							
6 ft. 4 in. Ferret.	6 ft. 7 in. Ferric.	6 ft. 11 in. Ferrier.	7 ft. 5 in. Ferrule.	7 ft. 9 in. Ferry.	7 ft. 11 in. Fertile.	8 ft. 3 in. Ferula.	9 ft. 8 in. Ferular.
NO. FEET IN SLABS, 10 INCH BACKS.							
6 ft. 11 in. Fear.	7 ft. 2 in. Fervence.	7 ft. 7 in. Fervore.	8 ft. 1 in. Fescue.	8 ft. 5 in. Fesels.	8 ft. 8 in. Fesse.	9 ft. Festal.	10 ft. 6 in. Festally.
NO. FEET IN SLABS, 12 INCH BACKS.							
7 ft. 7 in. Fester.	7 ft. 10 in. Festival.	8 ft. 3 in. Festive.	8 ft. 9 in. Festively.	9 ft. 3 in. Festoon.	9 ft. 4 in. Festoony.	9 ft. 10 in. Festul.	11 ft. 4 in. Fet.

SQUARE SLABS.

WITH BACK AND LEFT HAND END.



A—775.

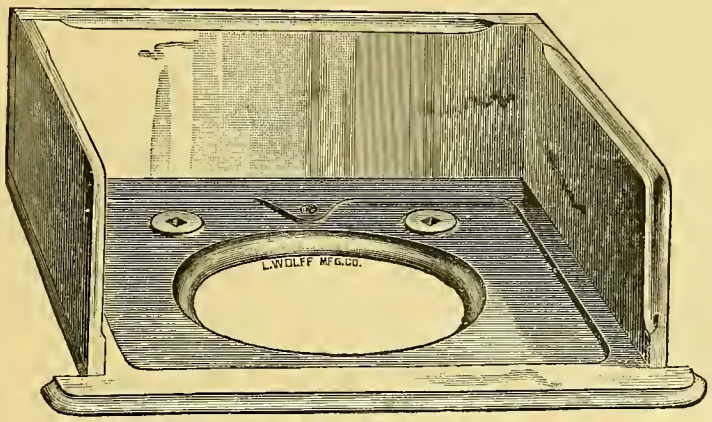
SIZE OF SLABS.

19 x 24	20 x 24	20 x 26	20 x 28	20 x 30	22 x 28	22 x 30	22 x 36 in.
NO. FEET IN SLABS, 8 INCH BACKS.							
6 ft. 4 in. Fetal.	6 ft. 7 in. Fetation.	6 ft. 11 in. Fetch.	7 ft. 5 in. Fetchers.	7 ft. 9 in. Fete.	7 ft. 11 in. Fetich.	8 ft. 3 in. Fetid.	9 ft. 8 in Fetish.
NO. FEET IN SLABS, 10 INCH BACKS.							
6 ft. 11 in. Fetlock.	7 ft. 2 in. Fetor.	7 ft. 7 in. Fetter.	8 ft. 1 in. Fettered.	8 ft. 5 in. Fettle.	8 ft. 8 in. Fetwah.	9 ft. Feu.	10 ft. 6 in. Feud.
NO. FEET IN SLABS, 12 INCH BACK.							
7 ft. 7 in. Feudal	7 ft. 10 in. Feudary.	8 ft. 3 in. Feudist.	8 ft. 9 in. Feuter.	9 ft. 3 in. Fever.	9 ft. 4 in. Feveret	9 ft. 10 in. Feverish.	11 ft. 4 in. Feverly.

In ordering Slabs, be particular to state size, kind of Marble, number of Cock Holes, if for Chain Stay and Clamps, size of Bowl, and whether round, oval or square.

RECESS SLABS.

WITH BACK AND TWO ENDS.



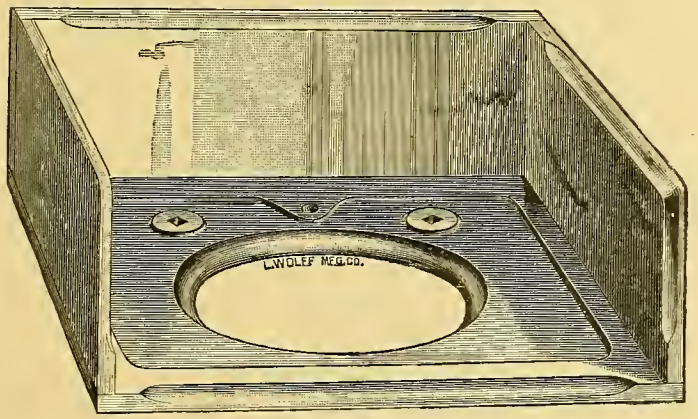
A—776.

The above cut represents the Slab with Nosings or End Projections, to finish on the wall. When Nosings are made they are measured to extreme ends, and also one inch for the edge.

In ordering Recess Slabs great care should be exercised in sending us the exact width and depth of Recess.

RECESS SLABS

WITH BACK AND TWO ENDS.



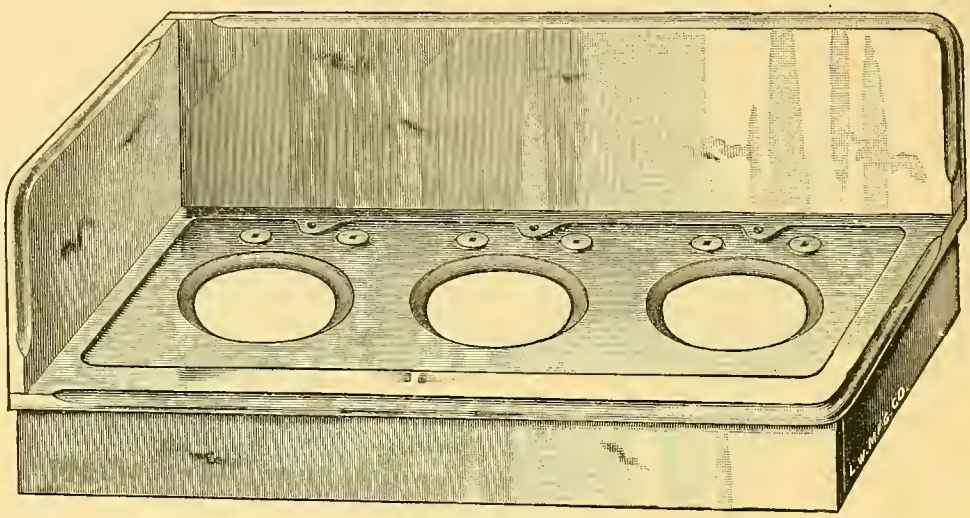
A—777.

The above cut represents the Slab without Nosings, and to finish flush with the wall.

Recess Slabs vary so in size that a table of measurement would be of no benefit to customers.

SQUARE SLABS.

WITH BACK AND ONE END, ALSO WITH APRON ON FRONT AND END.



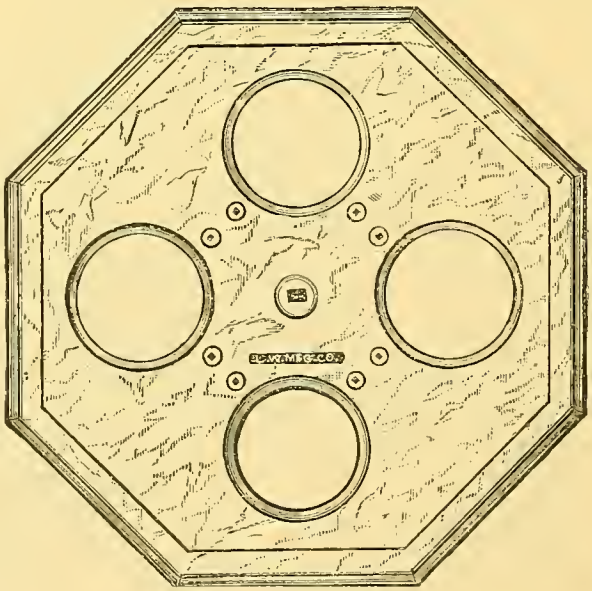
A—778.

The above cut represents a Slab with holes for three basins, and with apron on front and end. These Slabs can be made for any number of basins, with back and end, either right or left hand, and front Apron to suit; or can be made with back only and apron on both ends as well as in front.

When more than four basins are wanted, the Slab will have to be made of two or more pieces of marble.

BARBERS' SLABS.

FOR FOUR BASINS, OCTAGON.

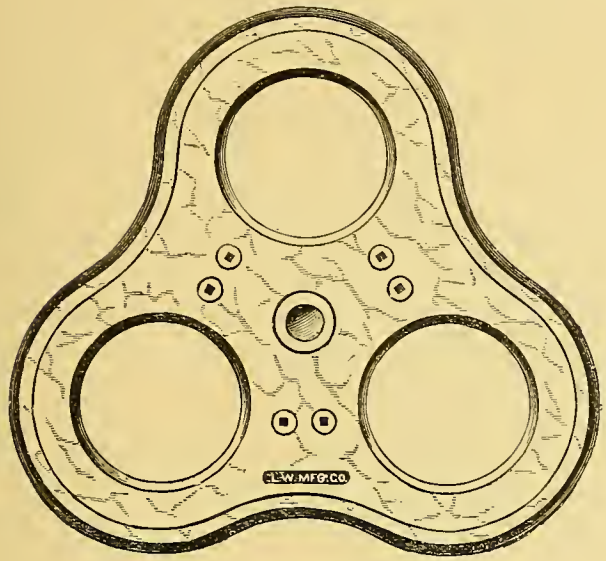


A—779.

Sizes, across widest part,	3 ft. 10 in.	4 ft.	4 ft. 2 in.
No. of feet in Slab,	16 ft. Few.	17 ft. 4 in. Fewel.	18 ft. 9 in. Fewmet.

Can have Soap Cup or Hole in center for Shampooing Cock.

BARBERS' SLABS.



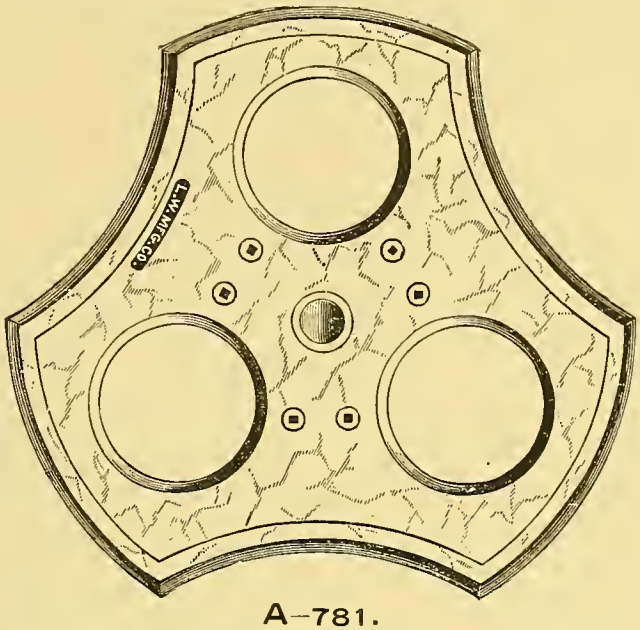
A—780.

Sizes, across widest part:

3 ft. 6 in. | 3 ft. 8 in. | 3 ft. 10 in.

Number of feet in Slab:

13 ft. 5 in. Fiasco. | 14 ft. 5 in. Fiat. | 16 ft. Fiaunt.



A—781.

Sizes, across widest part:

3 ft. 6 in. | 3 ft. 8 in. | 3 ft. 10 in.

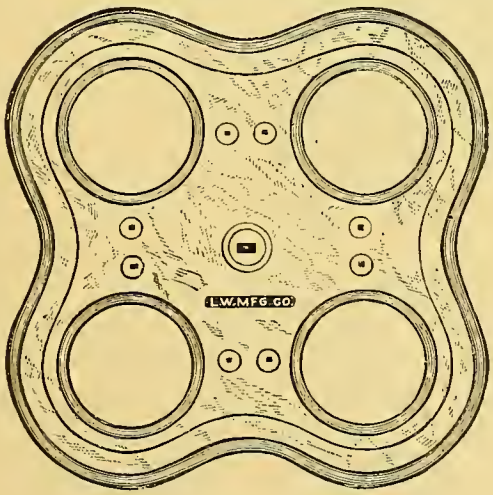
Number of feet in Slab:

13 ft. 5 in. Fib. | 14 ft. 8 in. Fibber. | 16 ft. Fiber.

Can have Soap Cup or Hole in center for Shampooing Cock. Barbers' Slabs are higher per square foot than ordinary Slabs.

BARBERS' SLABS.

FOR FOUR BASINS.



A—782.

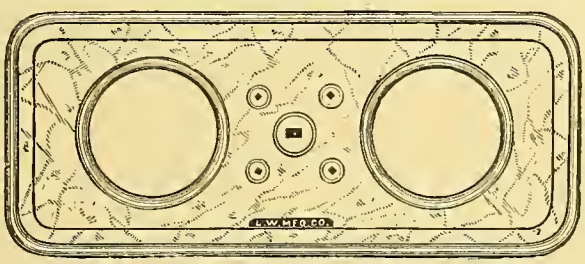
Sizes, across widest part:

3 ft. 10 in. | 4 feet. | 4 ft. 2 in.

Number of feet in Slab:

16 ft. Fibre. | 17 ft. 4 in. Fibered. | 18 ft. 9 in. Fibred.

FOR TWO BASINS.



A—783.

Sizes:

44 x 20 in. | 46 x 22 in. | 48 x 22 in.

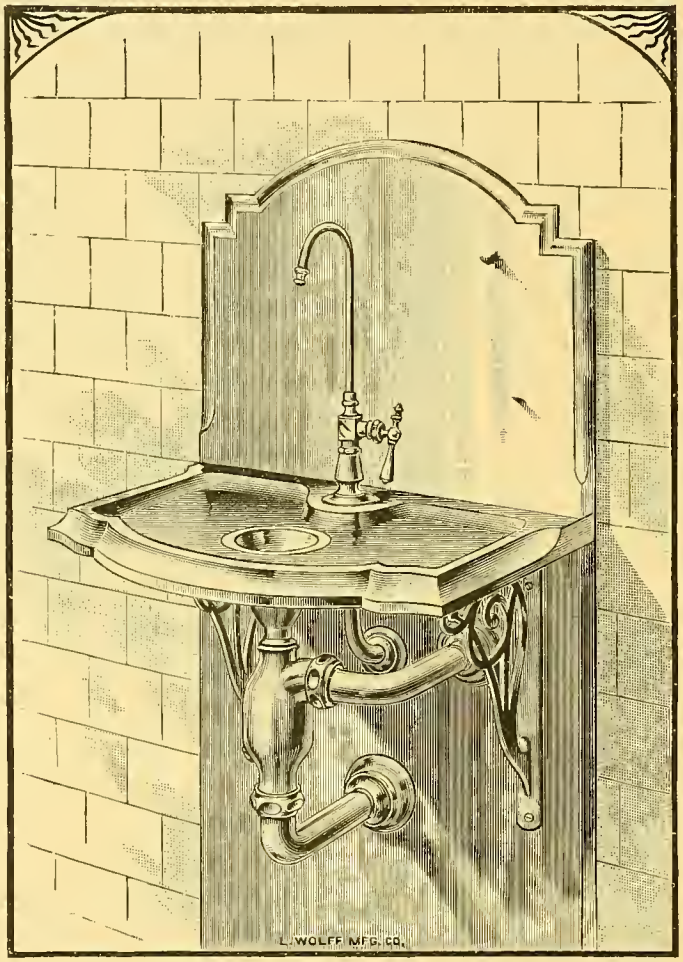
Number of feet in Slab:

7 ft. Fibril. | 8 ft. Fibrine. | 8 ft. 4 in. Fibrous.

Can have Soap Cup or Hole in center for Shampooing Cock.

DRINKING FOUNTAINS.

IN ITALIAN, PINK TENN., OLD RED TENN., OR FOREIGN MARBLES AND ONYX.



A—784.

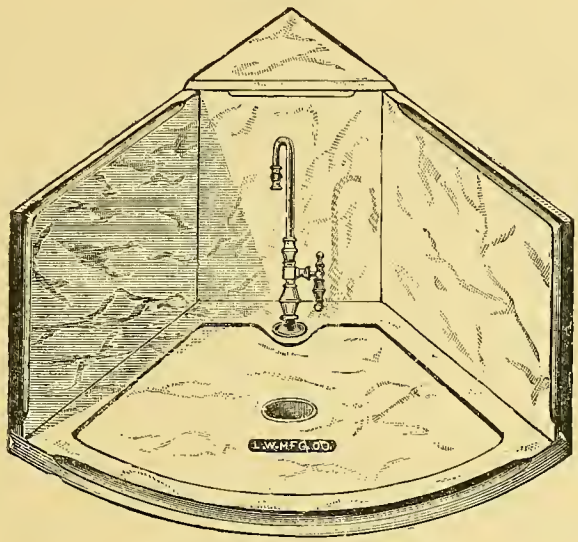
Drinking Fountains with No. 2 N. P. Fuller Faucet, N. P. Brass Drip Cup with Shield, N. P. Brass Brackets, N. P. Brass Supply Pipe to wall, N. P. Brass Trap with Vent and Waste to wall, and deeply countersunk Slab with Back.

	SIZE.	ITALIAN.	PINK TENN.	OLD RED TENN.
Price complete as described,	12 x 12 x 12 in. Back,	$24.25 Flinger.	25.25 Flisk.	26.75 Flitty.
Price complete as described,	14 x 14 x 12 in. Back,	$24.50 Flint.	25.75 Flit.	27.50 Flix.
Price complete as described,	16 x 12 x 14 in. Back	$25.00 Flock.	26.50 Flitch.	28.00 Flo.
Price complete as described,	16 x 14 x 14 in. Back,	$25.50 Flip.	27.00 Flite.	28.50 Float.
Price complete as described,	18 x 14 x 14 in. Back,	$27.00 Flipper.	28.50 Flitter.	30.50 Floater.
Price complete as described,	18 x 16 x 16 in. Back,	$27.50 Flirt.	29.00 Flitting.	31.00 Floating.

NOTE—Above can also be furnished with Bracket Basin Cock as shown in A-287, and the Slab can be furnished in St. Baueme, Rose Jasper, Numidian, Sienne, and other Imported Marble, and Mexican Onyx, when desired. Prices upon application.

DRINKING SLAB.

FOR CORNER.

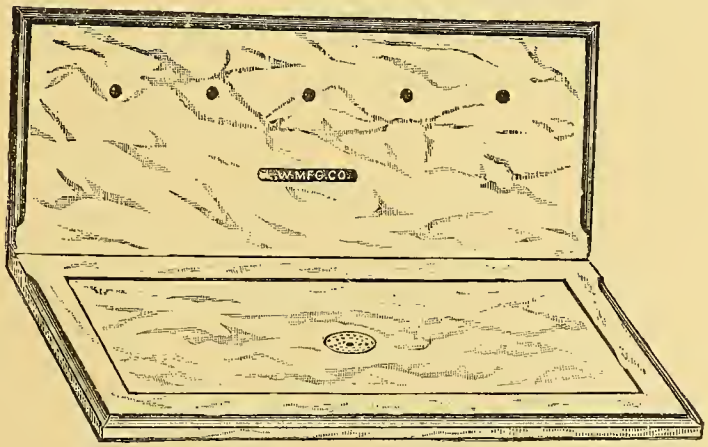


A—785.

The above illustration is a sample of Slabs we have made for drinking places; they have nickel plated Cup, let into the marble, where water strikes, to prevent splashing. Cups are fitted for waste connection.

MARBLE SLABS.

FOR BEER AND ALE.



A—786.

The Marble Slab represented above is used when Beer Pumps are set and operated by the City Water Pressure in connection with Faucets and Air Cocks.

Prices on application.

MARBLE RADIATOR TOPS.

ITALIAN OR COLORED MARBLE.

A—787.

Oblong Slabs, corners rounded to 2½ inch radius (5 inch circle).
In measuring allow for ½, ⅝ or ¾ inch projection all around.

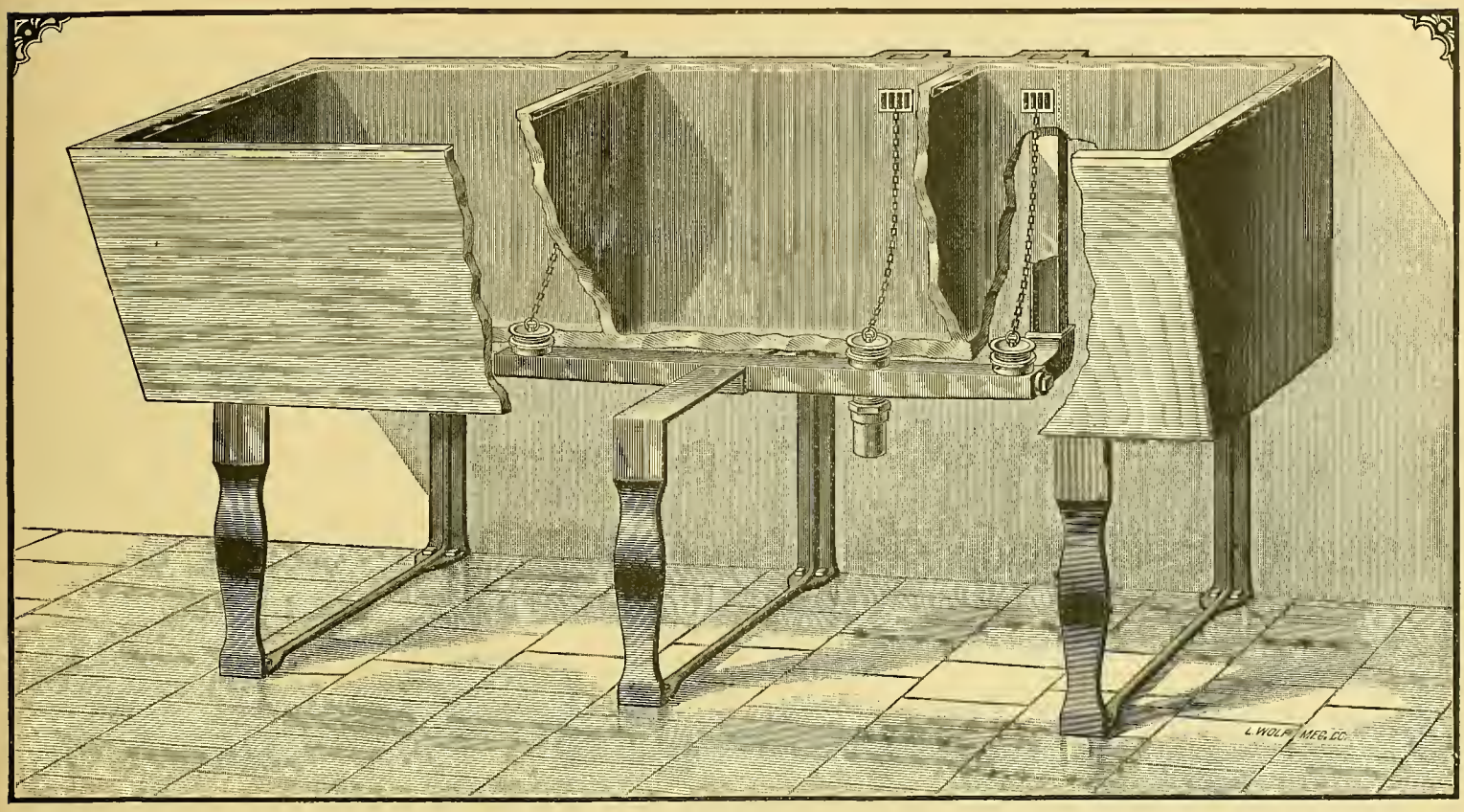
ROUND TOPS FOR RADIATORS.

A—788.

In measuring allow for ½, ⅝ or ¾ inch projection all around.

WOLFF'S CLIMAX GRANITE WASH TUBS, WITH ZINC CAPPING.

WITH COMBINATION WASTE AND OVERFLOW, HAVING ONE OUTLET.



A—790.

ALL MEASUREMENTS ARE OUTSIDE.

NO. PARTS.	LENGTH.	WIDTH.	DEPTH.	PRICE.		PRICE.
1	25 inches,	24 inches,	16 inches,	$9.00 Fiction.	With 1 Soap Cup,	9.75 Fid.
2	48 inches,	24 inches,	16 inches,	$15.50 Fictions.	With 1 Soap Cup,	16.25 Fiddle.
2	54 inches,	24 inches,	16 inches,	$18.00 Fictine.	With 1 Soap Cup,	18.75 Fiddler.
3	72 inches,	24 inches,	16 inches,	$25.00 Fictor.	With 2 Soap Cups,	26.50 Fides.
3	82 inches,	24 inches,	16 inches,	$28.50 Ficus.	With 2 Soap Cups,	30.00 Fidge.

Add to above prices for

Galvanized Iron Legs for Single Tub extra,	$3.00 Fidget.	Two part Tub extra, $3.00 Fie.	Three part Tub extra, $4 50 Field.
Ash Cover Oil Finished, Single Tub,	$1.50 Fidgety.	Two part Tub extra, $3.00 Fief.	Three part Tub extra, $4.00 Fielded.

Faucets are not included in above prices.

Tubs with Faucet holes and without Soap Cups will be sent unless otherwise ordered.

Wash Tubs when placed above the basement floor should be provided with overflows, as very often the Faucets are left open while the attendant is away, consequently the tubs are **liable to overflow** and **much damage** may result; as all **our Tubs have overflows** the possibility of an overflow and consequent damage is obviated.

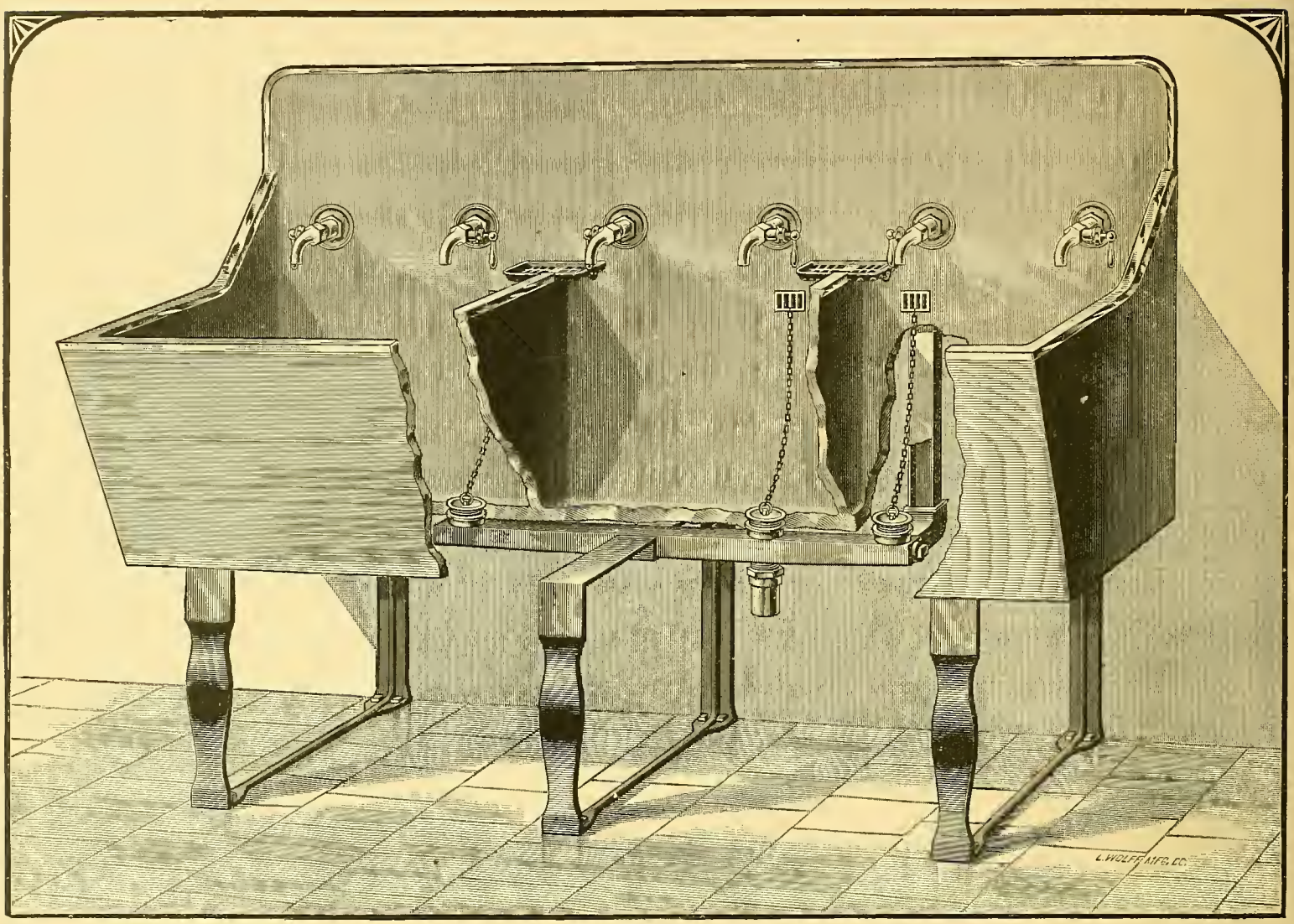
Each overflow is so arranged that it can at any time be cleaned out.

The Climax Wash Tub with Wolff's Improved combination Waste and Overflow connection is the most economical to use, as the plumber need make only **one joint** for all the overflows and wastes (see illustration).

The Galvanized Iron Waste as shown in cut, is provided with a brass trap screw at either end. These can be unscrewed and the waste rodded from end to end, an advantage none other possesses. The inside surface of the overflows and wastes are smooth and even.

WOLFF'S CLIMAX GRANITE WASH TUBS.

WITH HIGH BACK, WITH COMBINATION WASTE AND OVERFLOW, HAVING ONE OUTLET.



A—791.

ALL MEASUREMENTS ARE OUTSIDE.

NO. PARTS.	LENGTH.	WIDTH.	DEPTH.	PRICE.		PRICE.
2	48 inches,	24 inches,	16 inches,	$19.50 Fielden.	With 1 Soap Cup,	20.25 Fiendful.
2	54 inches,	24 inches,	16 inches,	$22.00 Fielder.	With 1 Soap Cup,	22.75 Fierce.
3	72 inches,	24 inches,	16 inches,	$30.00 Fieldy.	With 2 Soap Cups,	31.50 Fiercely.
3	82 inches,	24 inches,	16 inches,	$33.50 Fiend.	With 2 Soap Cups,	35.00 Fiery.

Add to above prices for

Galvanized Iron Legs for Two part Tub extra,	$3.00 Fife.	Three part Tub extra,	$4.50 Fifer.

Faucets are not included in above prices.

Tubs with Faucet holes and without Soap Cups will be sent unless otherwise ordered.

Wash Tubs when placed above the basement floor should be provided with overflows, as very often the Faucets are left open while the attendant is away, consequently the tubs are **liable to overflow** and **much damage** may result; as all **our Tubs have overflows** the possibility of an overflow and consequent damage is obviated.

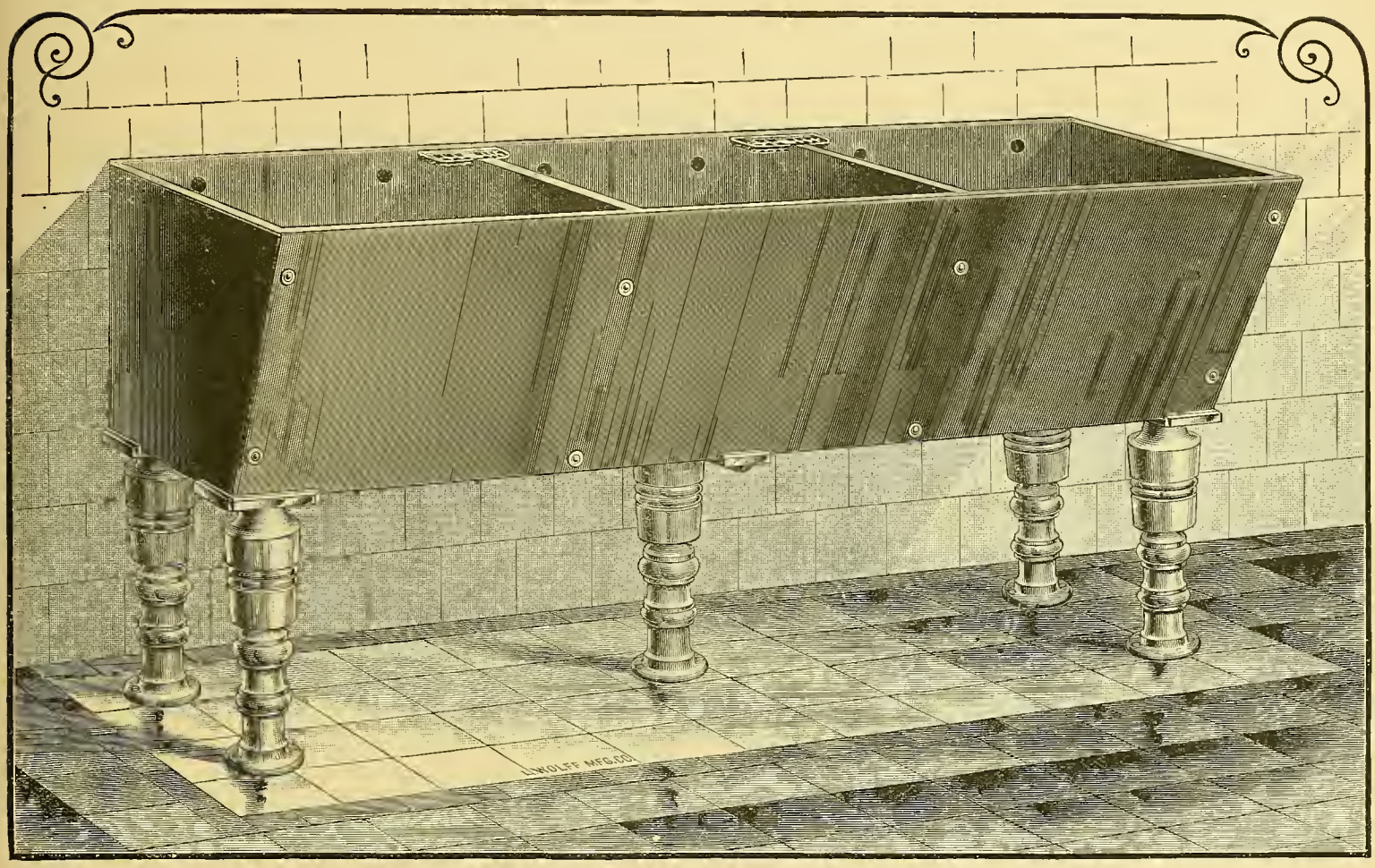
Each overflow is so arranged that it can at any time be cleaned out.

The Climax Wash Tub with Wolff's Improved combination Waste and Overflow connection is the most **economical** to use, as the plumber need make only **one joint** for all the overflows and wastes (see illustration).

The Galvanized Iron Waste as shown in cut, is provided with a brass trap screw at either end. These can be unscrewed and the waste rodded from end to end, an advantage none other possesses. The inside surfaces of the overflows and wastes are smooth and even.

SLATE AND SOAPSTONE WASH TUBS.

WITH SOAP CUPS AND GALVANIZED IRON LEGS.



A—792.

ALL MEASUREMENTS ARE OUTSIDE.

	LENGTH.	WIDTH.	DEPTH.	SLATE.	SOAPSTONE.
Set of 2 Tubs, with Galvanized Legs and Soap Cups, .	4 ft. 6 in.	2 ft.	16 in.	$25.00 Fifth.	31.50 Figary.
Set of 3 Tubs, with Galvanized Legs and Soap Cups, . .	6 ft.	2 ft.	16 in.	$33.50 Fifthly.	42.50 Figent.
Set of 3 Tubs, with Galvanized Legs and Soap Cups, .	7 ft.	2 ft.	16 in.	$40.50 Fiftieth.	49.50 Figgum.
Set of 3 Tubs, with Galvanized Legs and Soap Cups, . .	7 ft. 6 in.	2 ft.	16 in.	$47.50 Fig.	56.50 Fight.

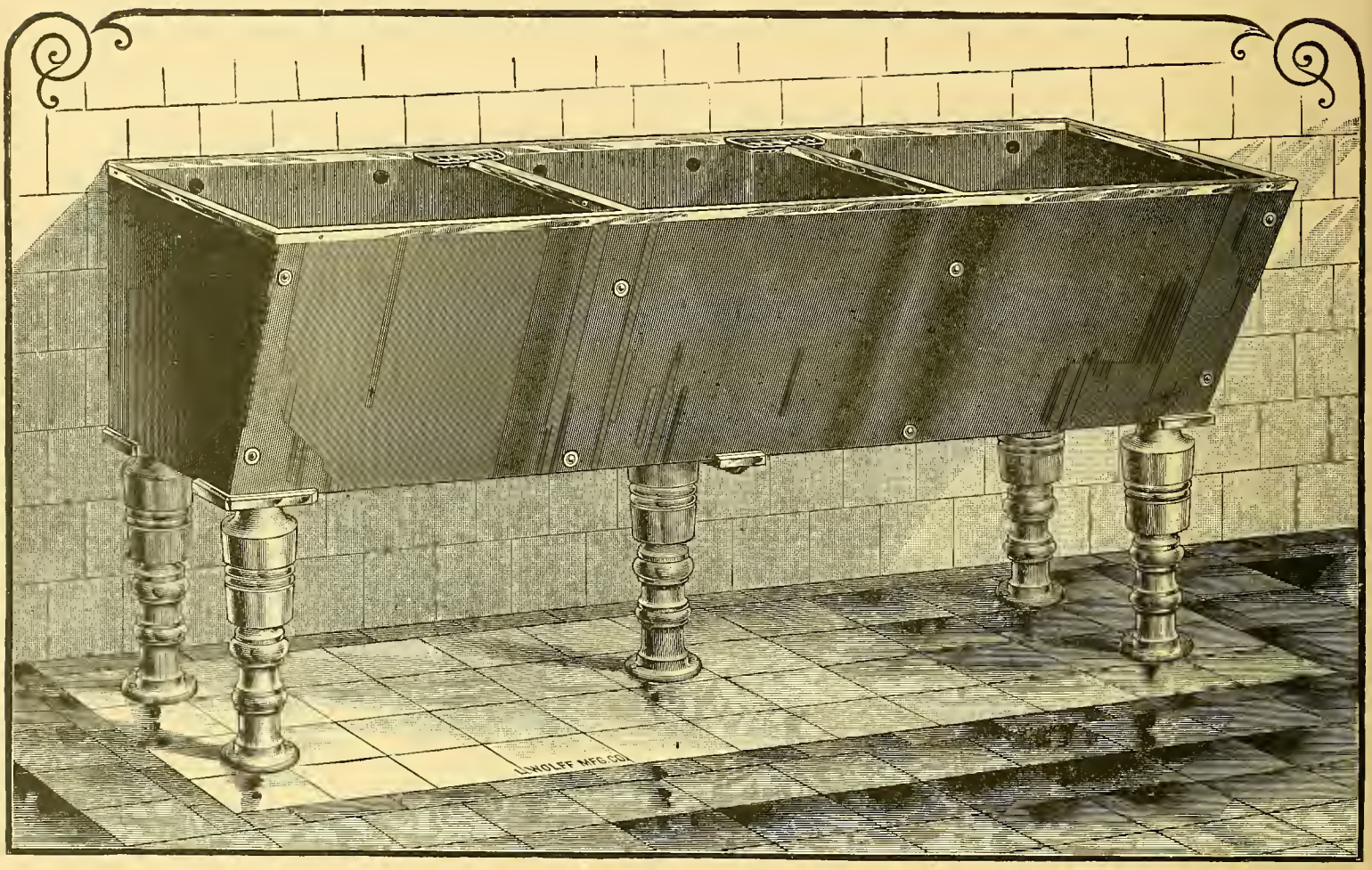
If without Legs, deduct for Legs for 2 part Tubs, . $5.00 Fighter. For 3 part Tubs. . $6.50 Fighting.

Plugs are not included in above prices.

NOTE—Tubs with Cock Holes will be sent unless otherwise ordered.

SLATE AND SOAPSTONE WASH TUBS.

WITH SOAP CUPS, POLISHED BRASS CAPPING AND GALVANIZED IRON LEGS.



A—793.

ALL MEASUREMENTS ARE OUTSIDE.

Slate or Soapstone Wash Tubs, with Soap Cups, Polished Brass Capping and Galvanized Iron Legs.

	LENGTH.	WIDTH.	DEPTH.	SLATE.	SOAPSTONE.
Price as described, per set of 2 Tubs, ...	4 ft. 6 in.	2 ft.	16 in.	$38.50 Figleaf.	45.00 Figment.
Price as described, per set of 3 Tubs, ...	6 ft.	2 ft.	16 in.	$50.50 Figshell.	59.50 Figtree.
Price as described, per set of 3 Tubs, ...	7 ft.	2 ft.	16 in.	$57.50 Figulate.	66.50 Figural.
Price as described, per set of 3 Tubs, ...	7 ft. 6 in.	2 ft.	16 in.	$64.50 Figure.	73.50 Figured.

If without Legs deduct for Legs for 2 part Tubs, $5.00 Fighter. For 3 part Tubs, . $6.50 Fighting.

Polished Brass Legs for corners, each, . . . $6.25 Fickly. For center, each, . . . $9.50 Figurist.

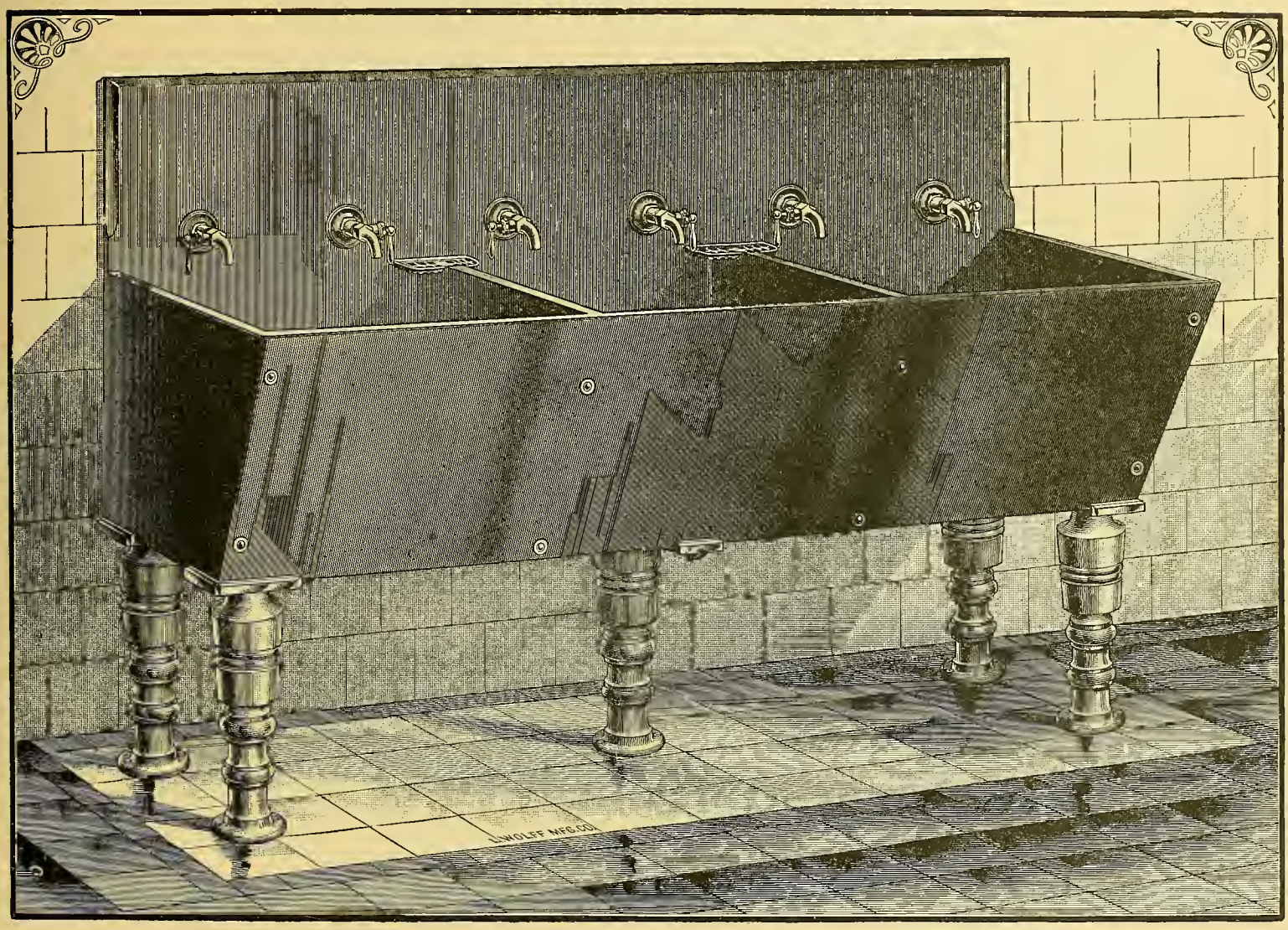
Plugs are not included in above prices.

A-793 can be furnished with Nickel Plated Capping when desired, at a slight additional cost.

NOTE—Tubs with Cock Holes will be sent unless otherwise ordered.

SLATE AND SOAPSTONE WASH TUBS.

WITH HIGH BACKS SOAP CUPS AND GALVANIZED IRON LEGS.



A—794.

ALL MEASUREMENTS ARE OUTSIDE.

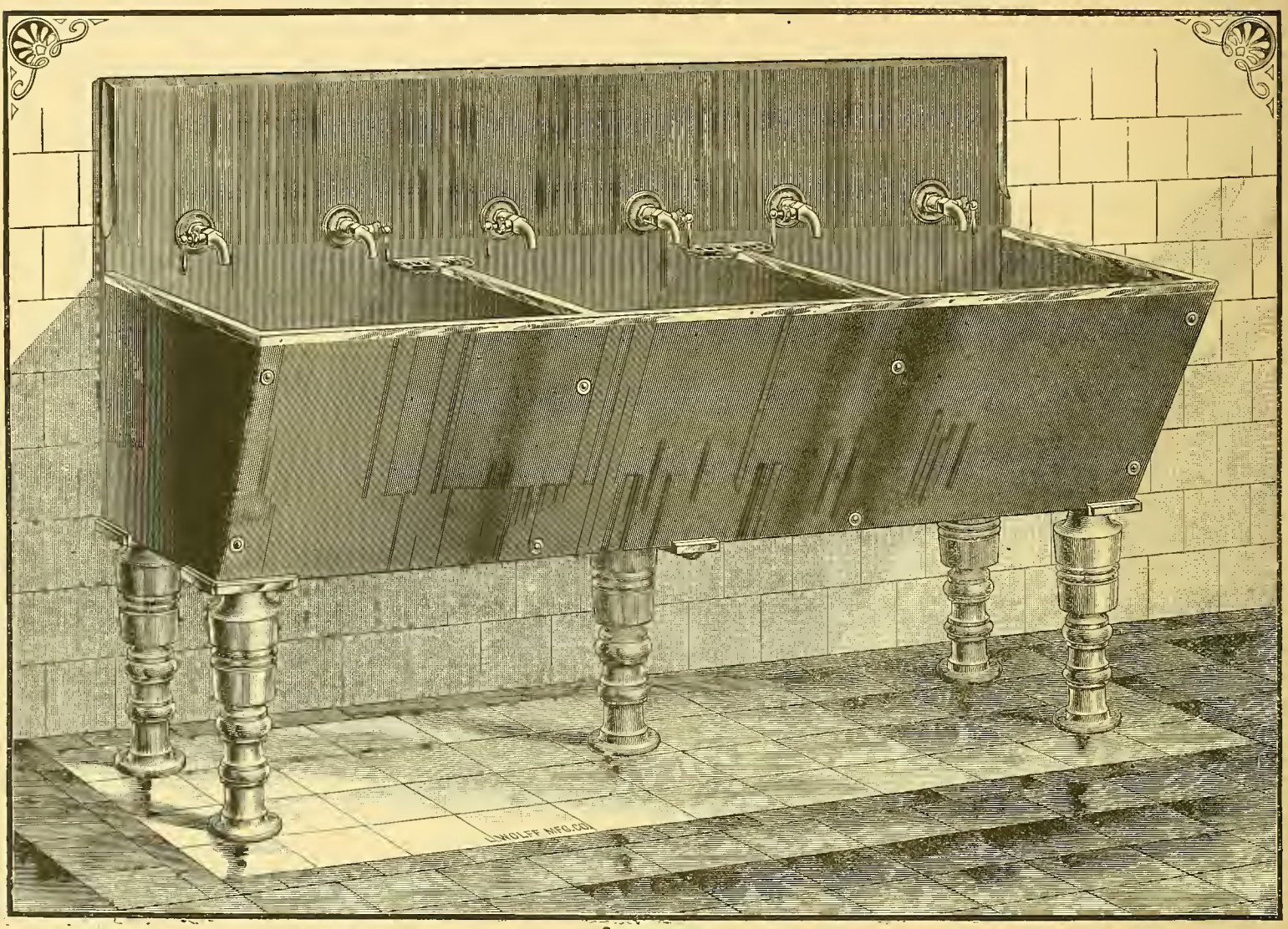
	LENGTH.	WIDTH.	DEPTH.	HEIGHT OF BACK.	SLATE.	SOAPSTONE.
Set of 2 Tubs, with Galvanized Legs and Soap Cups,	4 ft. 6 in.	2 ft.	16 in.	12 in.	$29.50 Figwort.	36.50 Filander.
Set of 3 Tubs, with Galvanized Legs and Soap Cups,	6 ft.	2 ft.	16 in.	12 in.	$39.50 Fike.	50.00 Filar.
Set of 3 Tubs, with Galvanized Legs and Soap Cups,	7 ft.	2 ft.	16 in.	12 in.	$47.50 Filacer.	58.25 Filature.
Set of 3 Tubs, with Galvanized Legs and Soap Cups,	7 ft. 6 in.	2 ft.	16 in.	12 in.	$55.00 Filament.	65.75 Filbert.

Plugs or Cocks are not included in above prices.

NOTE—Tubs with Cock Holes in back, as shown, will always be sent unless otherwise ordered.

SLATE AND SOAPSTONE WASH TUBS.

WITH HIGH BACKS AND SOAP CUPS, POLISHED BRASS CAPPING AND GALVANIZED IRON LEGS.



A–795.

ALL MEASUREMENTS ARE OUTSIDE.

Slate or Soapstone Wash Tubs with High Backs, Soap Cups, Polished Brass Capping and Galvanized Iron Legs.

	LENGTH.	WIDTH.	DEPTH.	HEIGHT OF BACK.	SLATE.	SOAPSTONE.
Price as described, per set of 2 Tubs, . .	4 ft. 6 in.	2 ft.	16 in.	12 in.	$40.00 Filch.	47.00 Filer.
Price as described, per set of 3 Tubs, . . .	6 ft.	2 ft.	16 in.	12 in.	$53.00 Filcher.	63.50 Filial.
Price as described, per set of 3 Tubs, . .	7 ft.	2 ft.	16 in.	12 in.	$61.00 File.	71.75 Filing.
Price as described, per set of 3 Tubs, . . .	7 ft. 6 in.	2 ft.	16 in.	12 in.	$68.50 Filefish.	79.25 Fill.

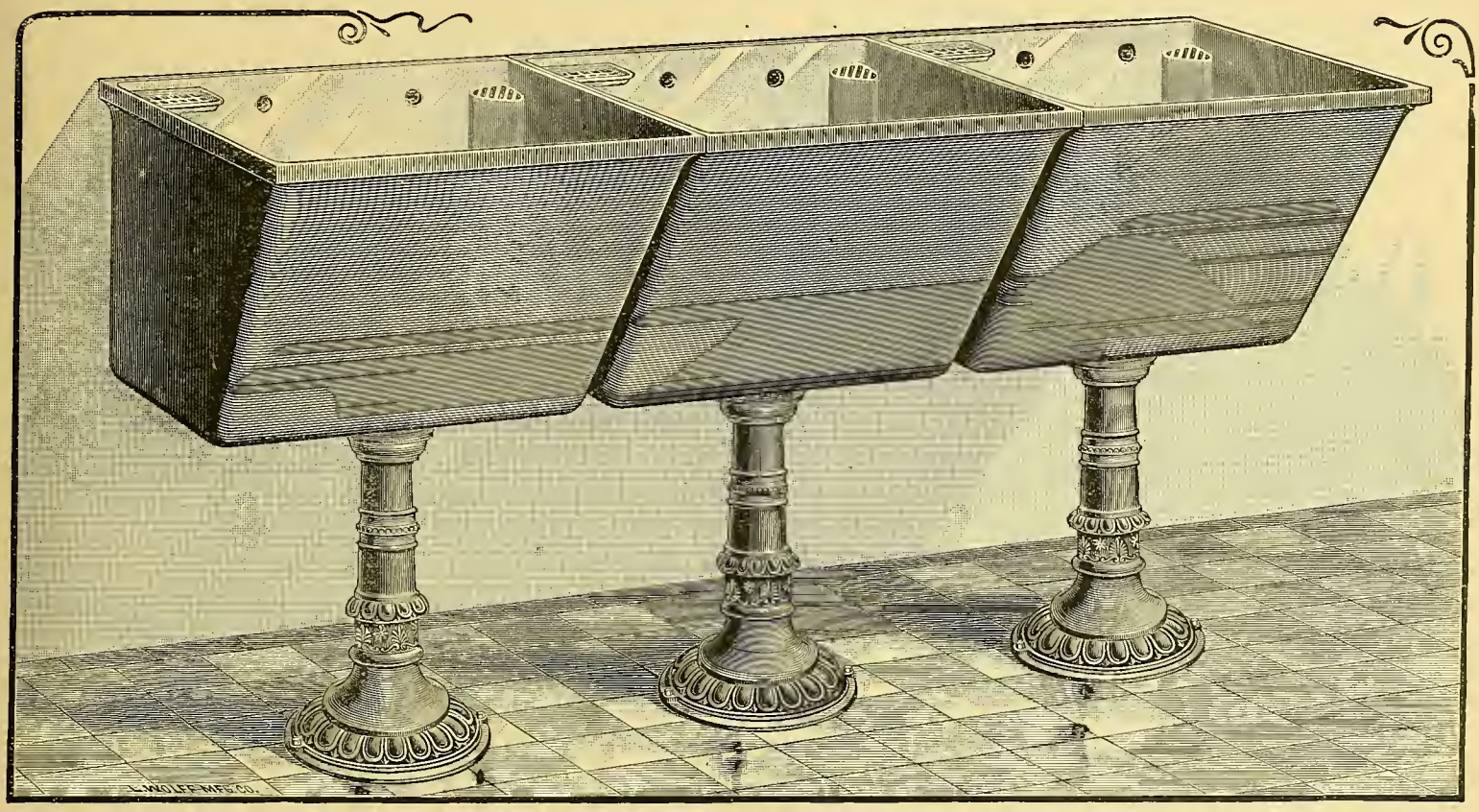
Plugs or Cocks are not included in above prices.

A–795 can be furnished with Nickel Plated Capping when desired, at a slight additional cost.

NOTE—Tubs with Cock Holes in back, as shown, will always be sent unless otherwise ordered.

PORCELAIN LINED IRON WASH TUBS.

WITH PATENT OVERFLOWS, SOAP CUPS, NICKEL PLATED PLUGS WITH RUBBER STOPPERS AND CHAINS.



A–796.

Porcelain lined Iron Wash Tubs with Patent Overflows, Soap Cups, Nickel Plated Plugs with Rubber Stoppers and Chains as shown.

Price as described, per set of 3 Tubs, ... $54.00 Filler.

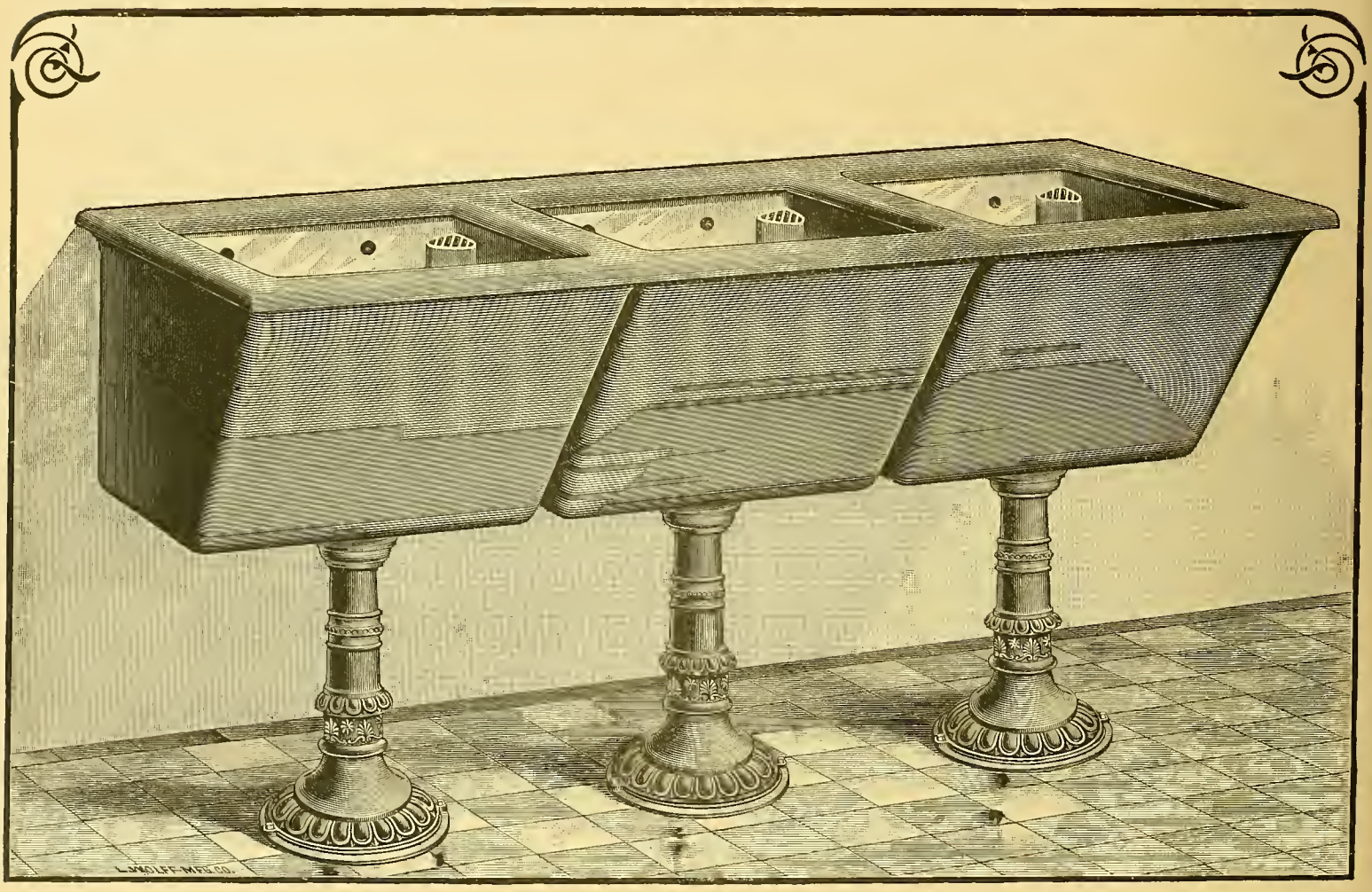
Price as described, per set of 2 Tubs, ... $36.00 Fillet.

For prices of Wood Tops and Covers see A-797 and A-798.

NOTE—Tubs with Cock Holes will be sent uuless otherwise ordered.

PORCELAIN LINED IRON WASH TUBS.

WITH ASH TOP.



A—797.

Porcelain Lined Iron Wash Tubs with Patent Overflows, Soap Cups, Nickel Plated Plugs with Rubber Stoppers and Chains and with Ash Top, as shown.

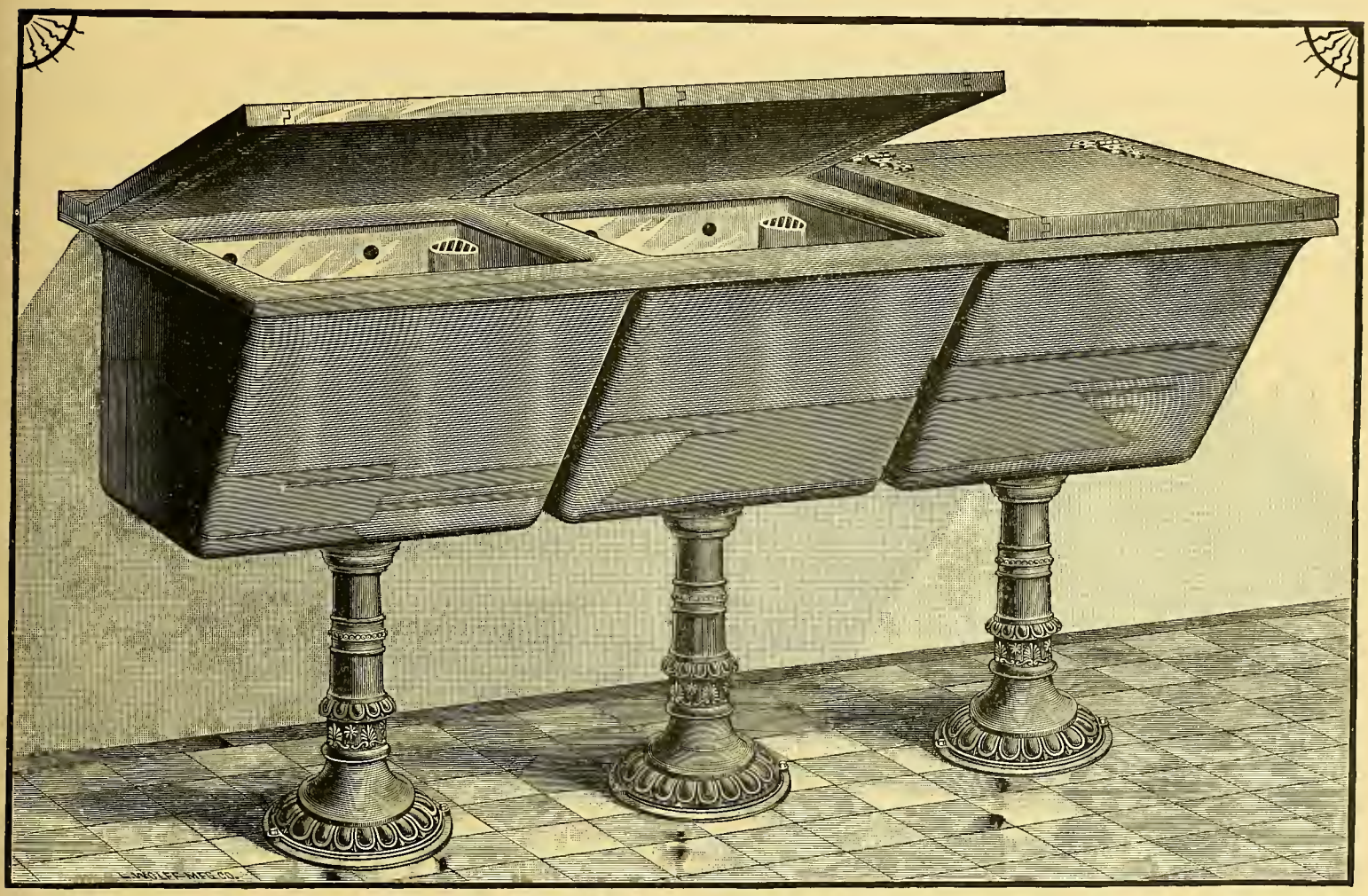
Price as described, per set of 3 Tubs, ... $58.50 Filling.

Price as described, per set of 2 Tubs, ... $39.00 Fillip.

NOTE—Tubs with Cock Holes will be sent unless otherwise ordered.

PORCELAIN LINED IRON WASH TUBS.

WITH ASH TOP AND COVERS.



A—798.

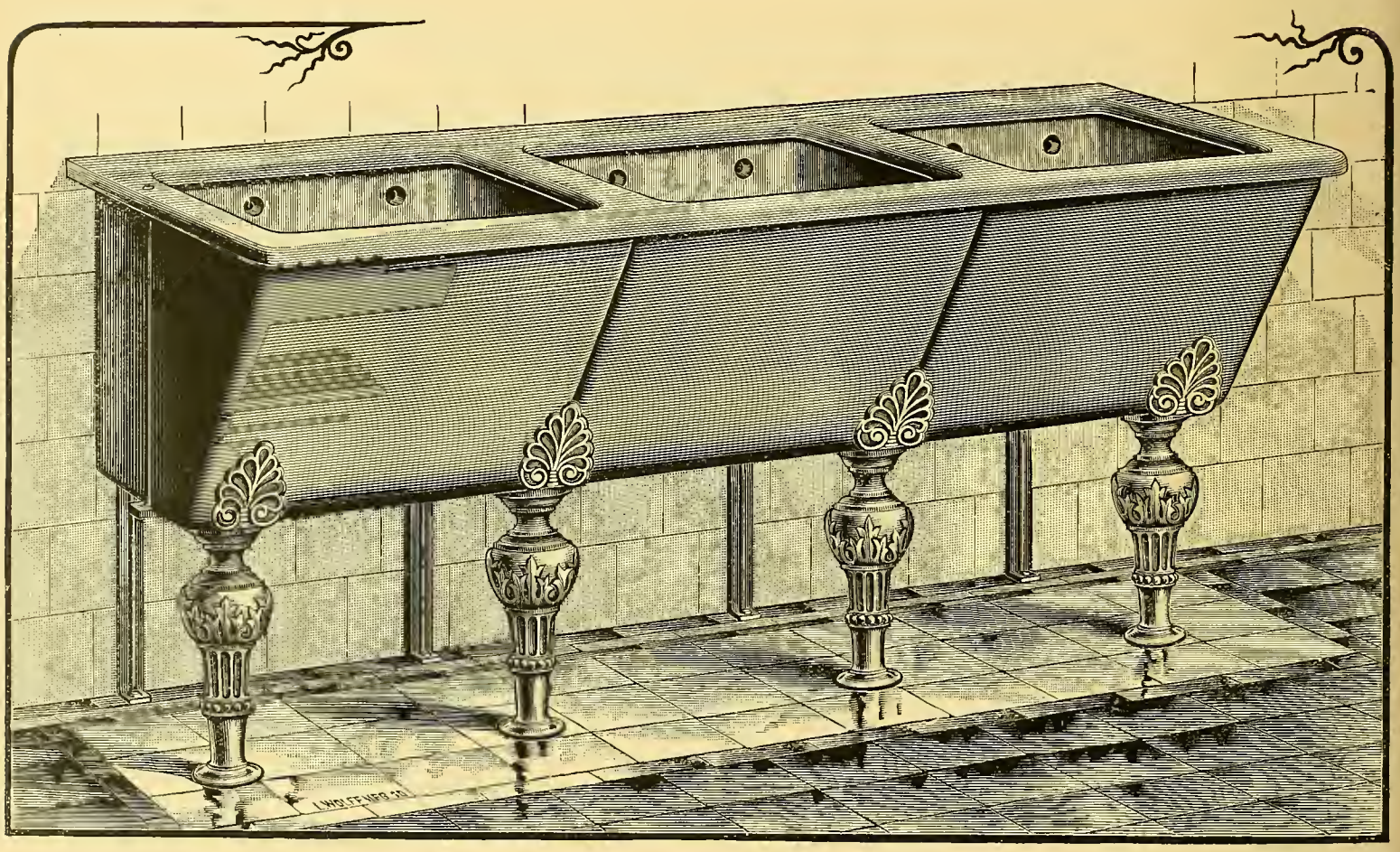
Porcelain Lined Iron Wash Tubs with Patent Overflows, Soap Cups, Nickle Plated Plugs with Rubber Stoppers and Chains, and with Ash Top and Covers as shown.

Price as described, per set of 3 Tubs, ...	$63.00 Filly.
Price as described, per set of 2 Tubs, ...	$42.00 Film

NOTE—Tubs with Cock Holes will be sent unless otherwise ordered. Faucets are not included in above prices.

"YORKSHIRE" WASH TUBS.

GLAZED BROWN WARE.



A—799.

"Yorkshire" Wash Tubs, with Bronzed Iron Legs and Ash Top.

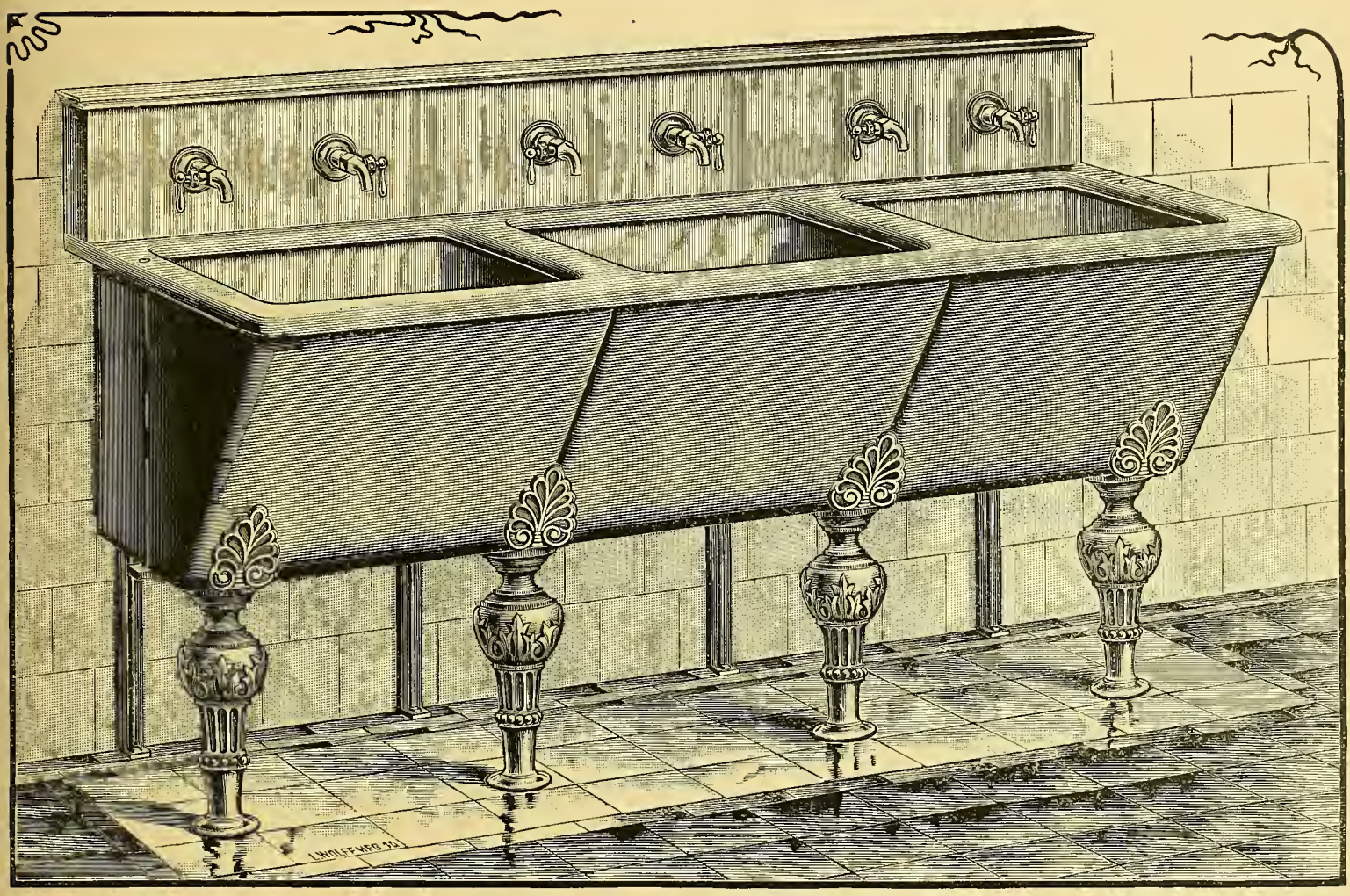
Price as described, per set of 3 Tubs, ...		$42.00 Finance.
Price as described, per set of 2 Tubs, ...		$28.00 Finch.
1½ inch Waste Plugs and Coupling, with Brass Stopper, extra, each, . .	$1.00 Finched.	

For prices of Wash Tray Cocks, see pages 71 to 73 and 136 to 138.

NOTE—Tubs **with Cock Holes** will be sent, unless otherwise ordered.

"YORKSHIRE" WASH TUBS.

GLAZED BROWN WARE.



A—800.

"Yorkshire" Wash Tubs, with Bronzed Iron Legs, Oil Finished Ash Top and Covers.

Price as described, per set of 3 Tubs,	$44.00 Finer.
Price as described, per set of 2 Tubs,	$29.50 Finesse.
1½ inch Waste Plugs and Couplings, with Brass Stoppers, extra, each,	$1.00 Finem.

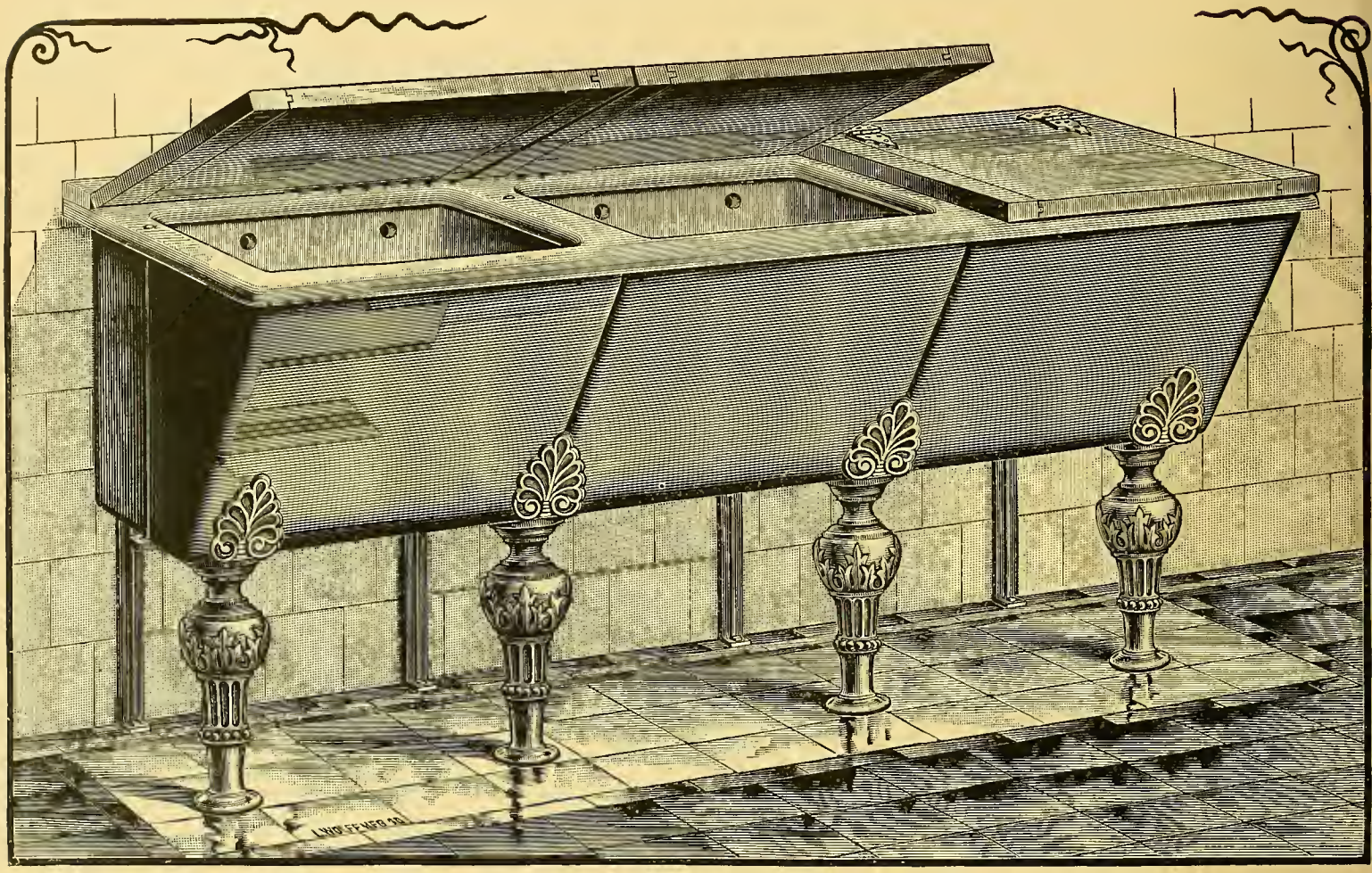
Cocks are not included in above prices, for these see pages 71 to 73 and 136 to 138.

Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 2 part Tubs, extra,	$6.00 Finfish.
Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 3 part Tubs, extra	$9.50 Finger.
Rough Brass Trap, 1½ inch, Nickel Plated, extra,	$5.00 Fining.
Rough Brass Trap, 2 inch, Nickel Plated, extra,	$6.50 Finite.

NOTE—Tubs **without Cock Holes** will be sent, unless otherwise ordered.

"YORKSHIRE" WASH TUBS.

GLAZED BROWN WARE.



A–801.

"Yorkshire" Wash Tubs, with Bronzed Iron Legs, Oil Finished Ash Top and Covers.

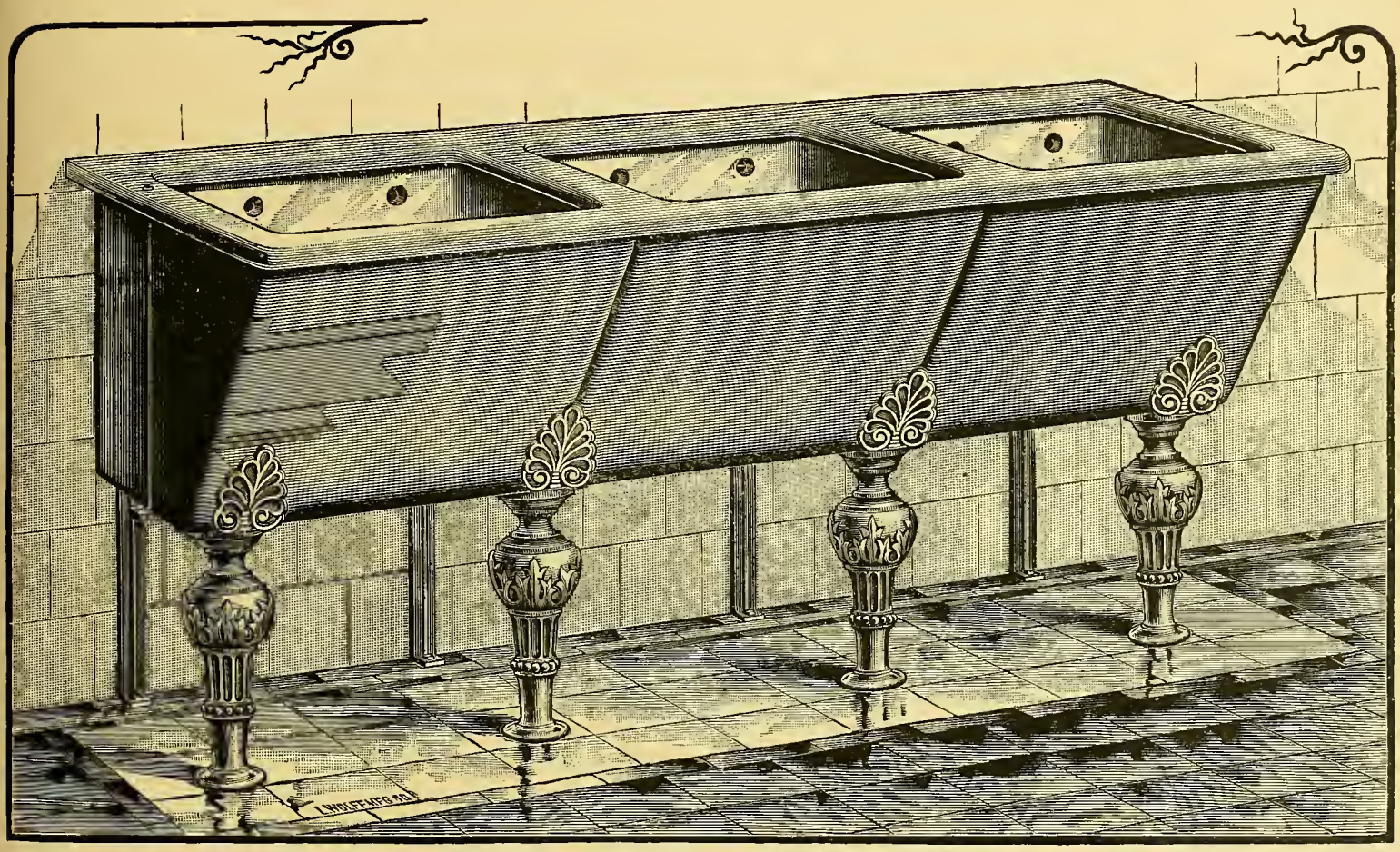
Price as described, per set of 3 Tubs,	$51.00 Finned.
Price as described, per set of 2 Tubs,	$34.00 Finner.
1½ inch Waste Plugs and Couplings, with Brass Stopper, extra, each,	$1.00 Finny.

Cocks are not included in above prices, for these see pages 71 to 73 and 136 to 138.

Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 2 part Tubs, extra,	$6.00 Finos.
Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 3 part Tubs, extra,	$9.50 Fiord.
Rough Brass Trap, 1½ inch, Nickel Plated, extra,	$5.00 Fipple.
Rough Brass Trap, 2 inch, Nickel Plated, extra,	$6.50 Fir.

NOTE—Tubs **with Cock Holes** will be sent, unless otherwise ordered.

MONARCH PORCELAIN WASH TUBS.



A—802.

Monarch Porcelain Wash Tubs, with Galvanized Iron Legs and Ash Top.

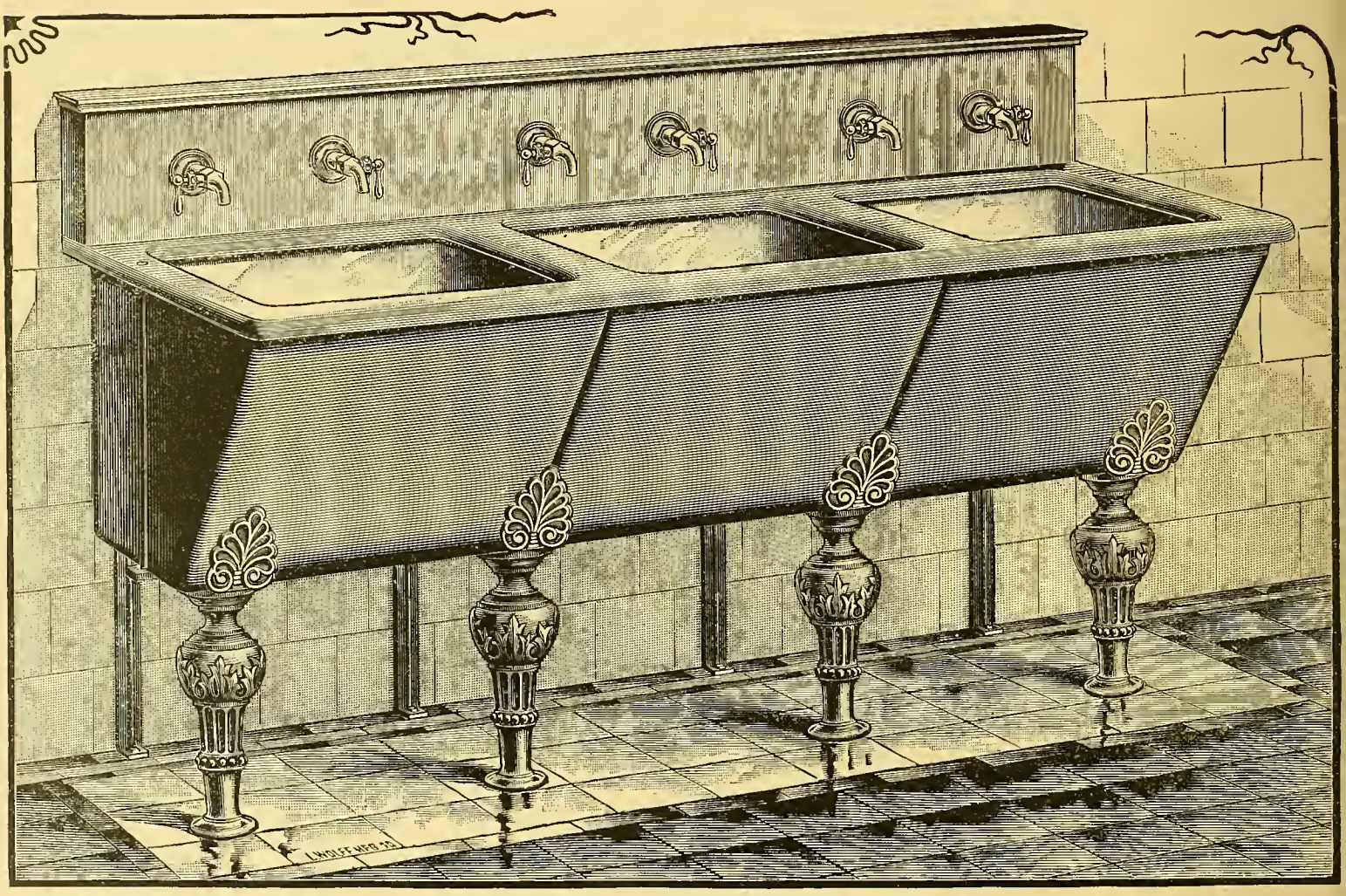
	FIRSTS.	SECONDS.
Price as described, per set of 3 Tubs,	$82.50 Fireball.	60.00 Fireby.
Price as described, per set of 2 Tubs,	$55.00 Firebare.	40.00 Firebate.

Cocks and Plugs are not included in above prices, for these see pages, 72, 73, 136, 138 and 207.

Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 2 part Tubs, extra,	$6.00 Firebox.
Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 3 part Tubs, extra,	$9.50 Firedog.
Rough Brass Trap, 1½ inch, Nickel Plated, extra, $5.00 Firefly. 2 inch,	$6.50 Firehook.

NOTE—Tubs **with Cock Holes** will be sent unless otherwise ordered.

MONARCH PORCELAIN WASH TUBS.



A—803.

Monarch Porcelain Wash Tubs, with Galvanized Iron Legs, Oil Finished Ash Top and Back.

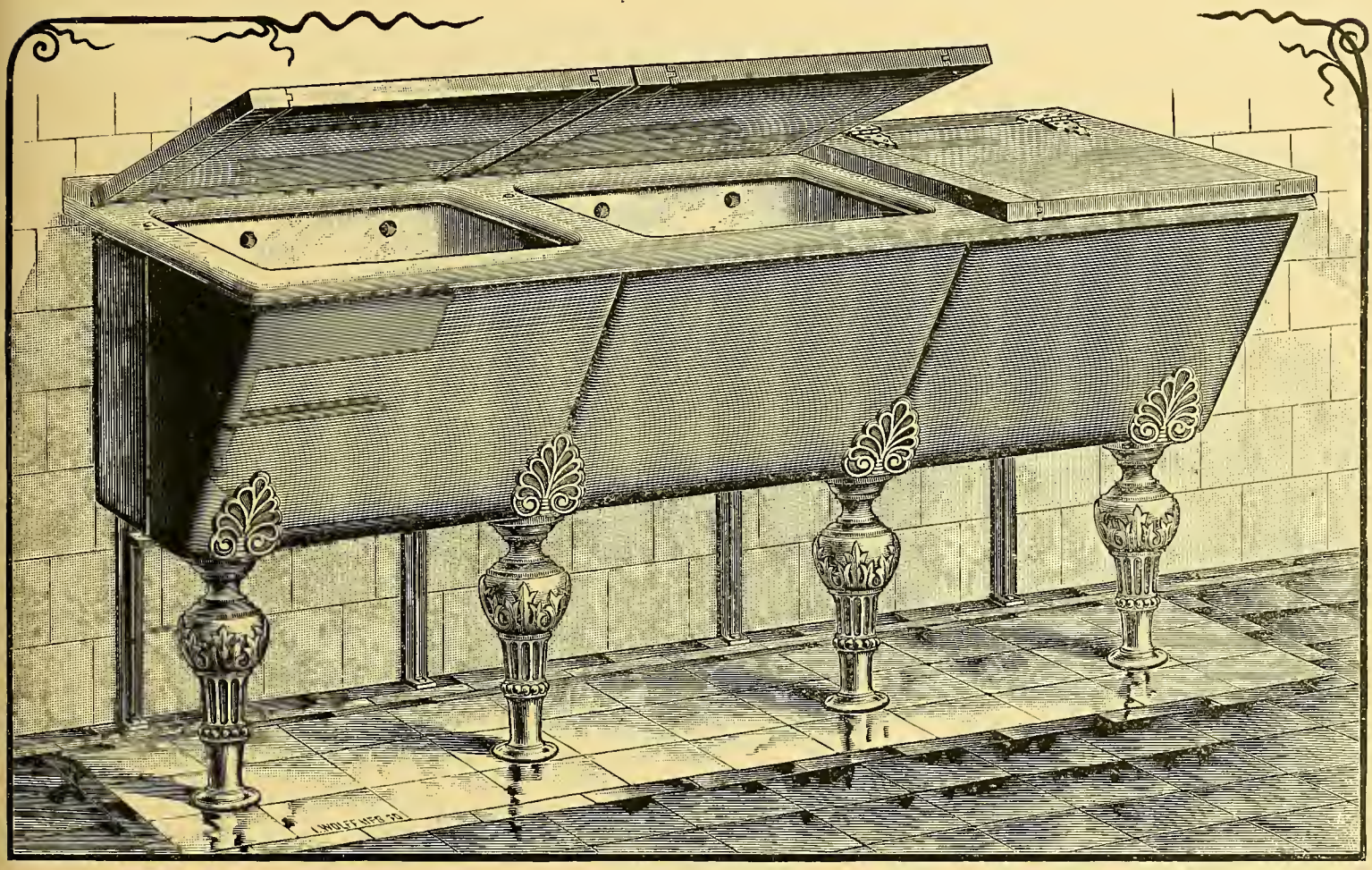
	FIRSTS.	SECONDS.
Price as described, per set of 3 Tubs,	$85.25 Firer.	62.75 Fireside.
Price as described, per set of 2 Tubs,	$57.25 Fireset.	42.25 Fireward.

Cocks and Plugs are not included in above prices, for these see pages 71, 73, 136, 138 and 207.

For Continuous Waste and Traps see opposite page.

NOTE—A-803 will be sent **with Cocks in Wood Back,** and **without Cock Holes** in Tubs.

MONARCH PORCELAIN WASH TUBS.



A—804.

Monarch Porcelain Wash Tubs, with Galvanized Iron Legs, Oil Finished Ash Top and Covers.

	FIRSTS.	SECONDS
Price as described, per set of 3 Tubs, ...	$91.50 Firstly.	69.00 Firtree.
Price as described, per set of 2 Tubs, ...	$61.00 Firth.	46.00 Fisc.

Cocks and Plugs are not included in above prices, for these see pages 71 to 73, 136 to 138 and 207.

Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 2 part Tubs, extra,	$6.00 Fiscal.
Rough Brass Continuous Waste, Nickel Plated, with Plugs, for 3 part Tubs, extra,	$9.50 Fish.
Rough Brass Trap, 1½ inch, Nickel Plated, extra, ...	$5.00 Fisher.
Rough Brass Trap, 2 inch, Nickel Plated, extra, ...	$6.50 Fishpot.

NOTE—Tubs **with Cock Holes** will be sent, unless otherwise ordered.

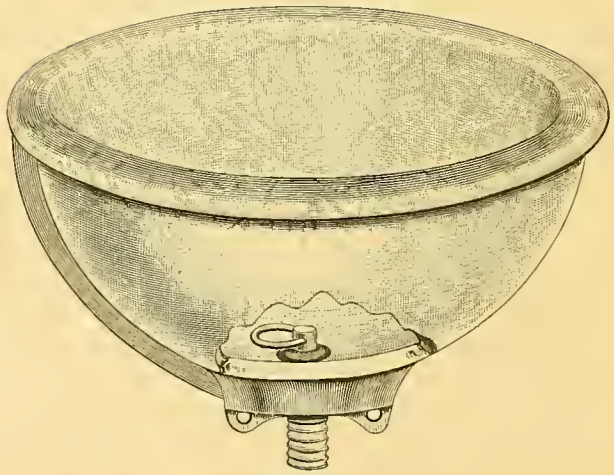
COMMON OVERFLOW [C. O.] BASINS.

A–805.

Outside Diameter,	12	13	14	15	16 in.
Price, Common Overflow, as shown, each,	$1.05 Fisk.	1.25 Fissile.	1.40 Fission.	2.00 Fissure.	2.75 Fist.
Price, No Overflow, each,	$0.80 Fistic.	1.00 Fistieca.	1.15 Fit.	1.80 Fitch.	2.25 Fitched.

PATENT OVERFLOW [P. O.] BASINS.

FOR RUBBER PLUG.



A–806.

Outside Diameter,	12	13	14	15	16 in.
Price, each,	$1.40 Fitchet.	1.55 Fitchew.	1.70 Fitful.	2.50 Fitly.	3.50 Fitress.

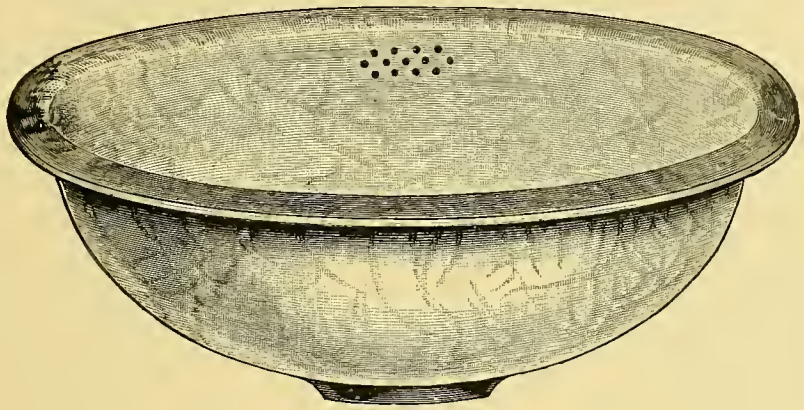
FOR METAL PLUG.

A–807.

Outside Diameter,	12	13	14	15	16 in.
Price, each,	$1.15 Fitter.	1.30 Fitting.	1.50 Fitz.	2.25 Five.	3.00 Fix.

OVAL BASINS.

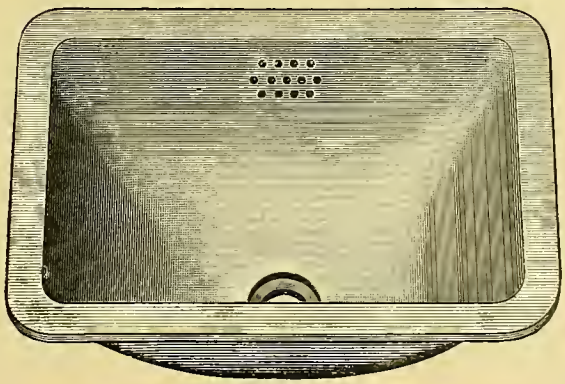
IVORY TINTED, MARBLEIZED OR PLAIN WHITE.



A—808.

Size, Outside Measure,	14 x 17	15 x 19	16 x 21 in.
Price, Common Overflow, each,	$3.50 Fixable.	5.00 Fizgig.	6.00 Flabile.
Price, Patent Overflow, for Metal Plug, each,	$3.80 Fixing.	5.30 Fizz.	6.30 Flaceid.
Price, Patent Overflow, for Rubber Plug, each,	$4.25 Fixity.	5.75 Fizzle.	6.75 Flacker.
Price, No Overflow Basin, each,	$3.50 Fixture.	5.00 Flabby.	6.00 Flaff.

SQUARE BASINS.

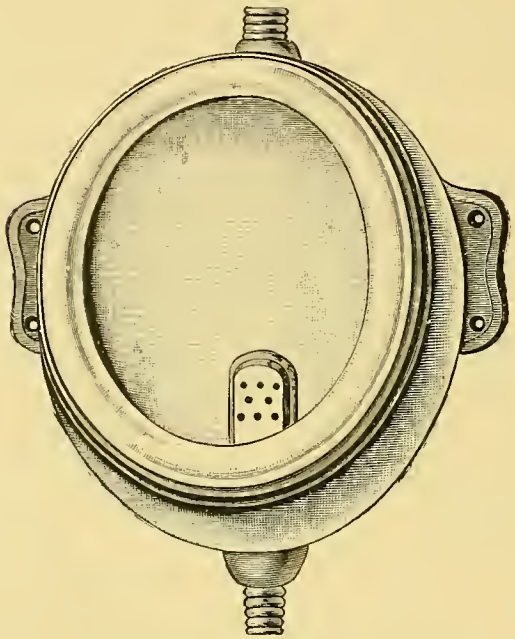


A—809.

Size, Outside Measure,	14 x 17 in.
Price, No Overflow, each,	$7.00 Flag.
Price, Common Overflow, each,	$7.00 Flaggy.
Price, Patent Overflow, each,	$7.50 Flagon.

BEDFORDSHIRE URINALS.

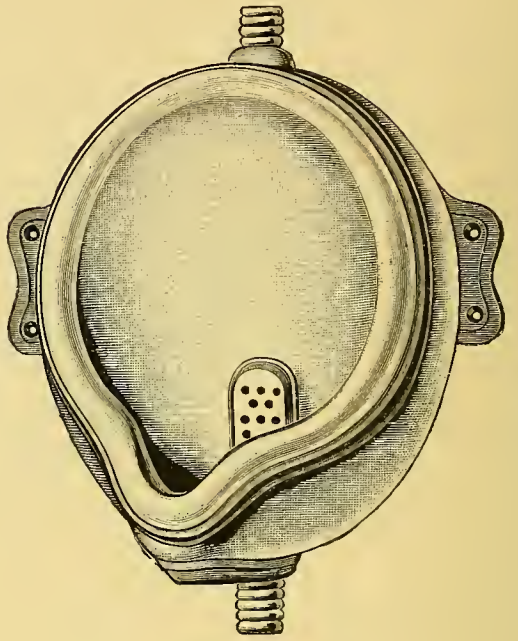
FLAT BACK.



A—810.

No. 1, 15 x 18 inches, each, ... $9.30 Flail.
No. 2, 12 x 15 inches, each, ... $7.10 Flaily.
No. 3, 11½ x 14 inches, each, ... $6 70 Flake.

FLAT BACK, LIPPED.

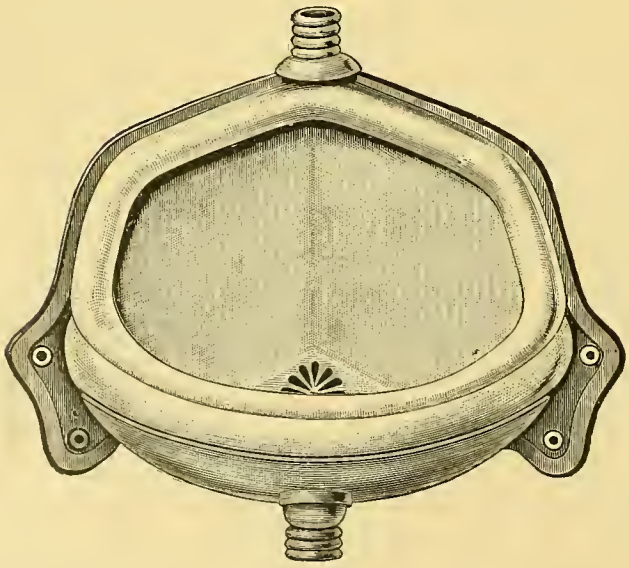


A—811.

No. 1, 15 x 18 inches, each, ... $13.50 Flaky.
No. 2, 12 x 15 inches, each, ... $11.25 Flam.

BEDFORDSHIRE URINALS.

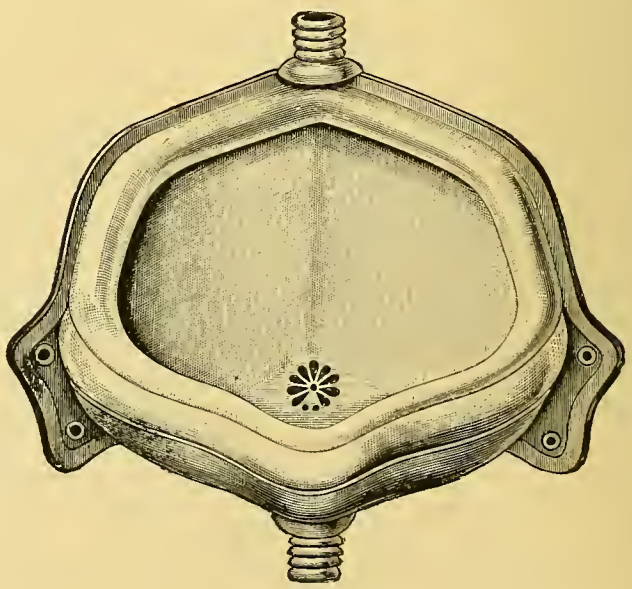
CORNER.



A—812.

No. 1, 12 x 12 inches, each, ... $9.30 Flame.
No. 2, 11 x 11 inches, each, ... $7.10 Flamelet.
No. 3, 10¼ x 10¼ inches, each, . . . $6 70 Flamen.

CORNER, LIPPED.

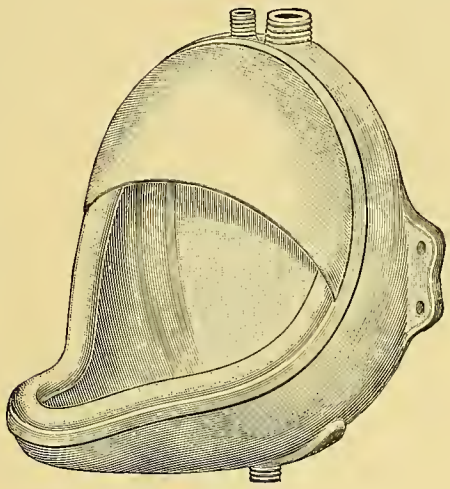


A—813.

No. 1, 12 x 12 inches, each, . . . $13 50 Flamy.
No. 2, 11 x 11 inches, each, ... $11.25 Flanch.

HOODED LIPPED URINALS.

FLAT BACK.



A—814.

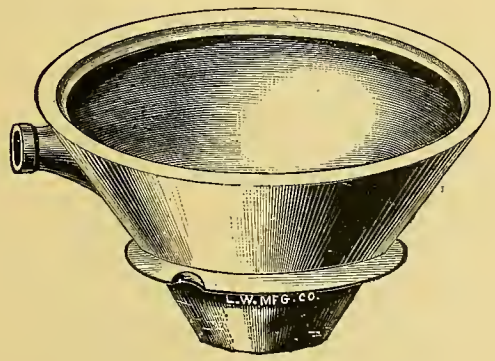
No. 1, Lipped, with Hood and Vent, 15 x 18 in., each, ... $17.45 Flange.
No. 2, Lipped, with Hood and Vent, 13 x 15 in., each, ... $13.00 Flanged.

CORNER HOODED URINALS.

(Not Illustrated.)

No. 1, Lipped, with Hood and Vent, 13 x 13 in., each, ... $17.45 Flank.
No. 2, Lipped, with Hood and Vent, 11½ x 11½ in., each, ... $13.90 Flanker.

OVAL CLOSET BOWLS.

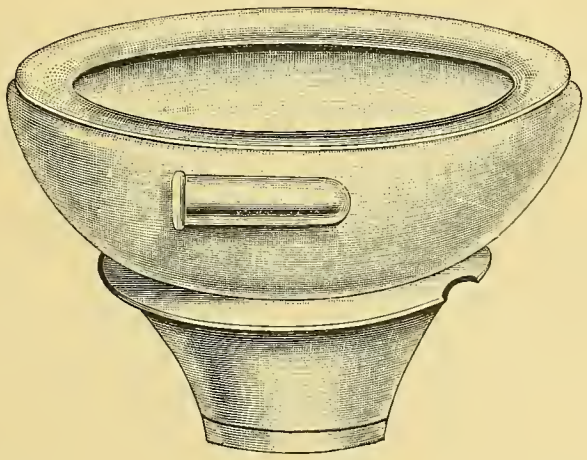


A—815.

Price, ... $1.65 Flannel.

FRENCH CLOSET BOWLS.

ROUND.



A—816.

Price, ... $1.45 Flannen.

THE "ANCHOR" BOWL.

NEW STYLE.

A—817.
Flap.

Outside Measurement, Top of Bowl, . . 13 x 16
Outside Measurement, Discharge Outlet of Bowl, ... 6½ x 3½
Depth of Bowl, ... 9¾

OLD STYLE.

A—818.
Flapjack.

Outside Measurement, Top of Bowl, . 13 x 16
Outside Measurement, Discharge Outlet of Bowl, ... 4¾ x 3½
Depth of Bowl, ... 9¾

When ordering Anchor Closet Bowls always state whether new or old style is wanted.

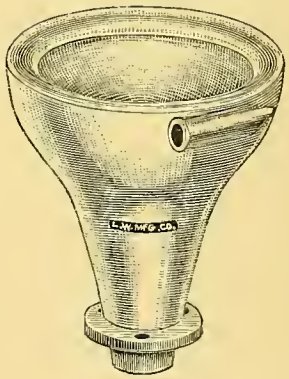
"DIAMOND" PHILADELPHIA HOPPERS.

ENAMELED.

A—819.

Price, each, ... $2.00
Flapper.

EARTHENWARE.

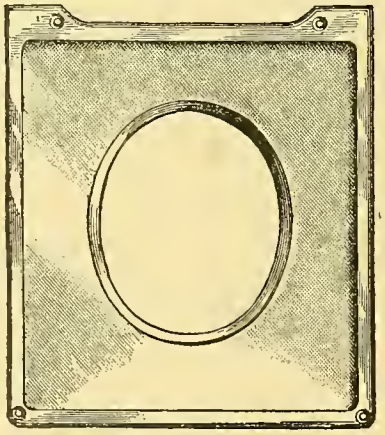


A—820.

Price, each, ... $3.25
Flare.

DRIP TRAYS.

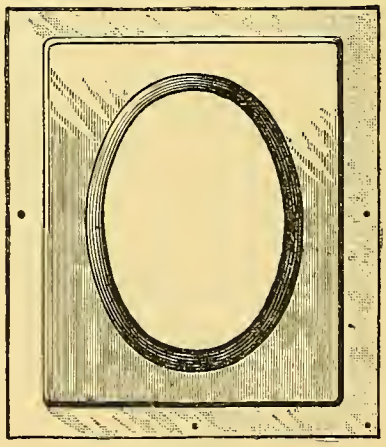
PORCELAIN, ROUND OR OVAL.



A—821.

Price, Oval, each, ... $3.00
Flash.
Price, Round, each, ... $3.00
Flasher

ENAMELED IRON, ROUND OR OVAL.

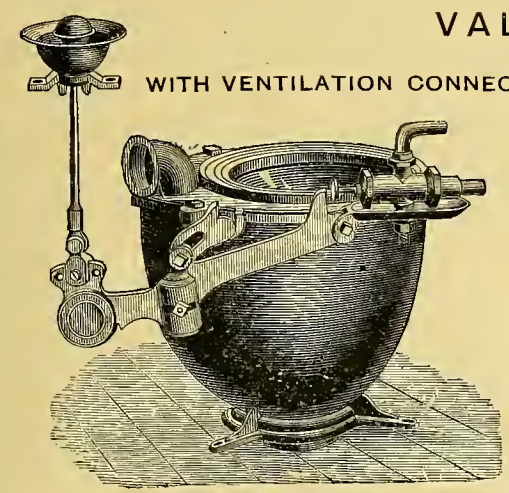


A—822.

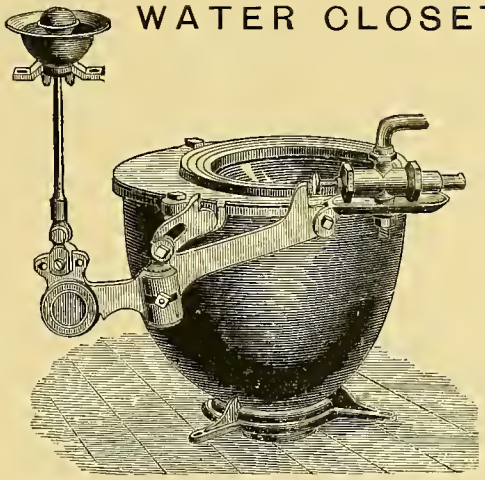
Price, Enameled Iron, Oval, each, . . $2.50
Flashy.
Price, Enameled Iron, Round, each, . . $2.50
Flask.

VALVE WATER CLOSETS.

WITH VENTILATION CONNECTION.



A–823.



A–824.

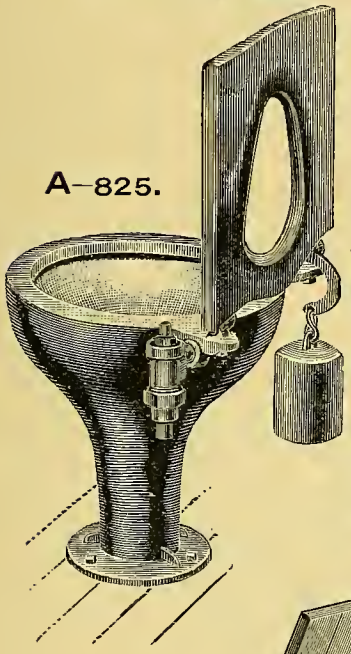
Price, No. 1, ... Flat.

Price, No. 2, ... Flative

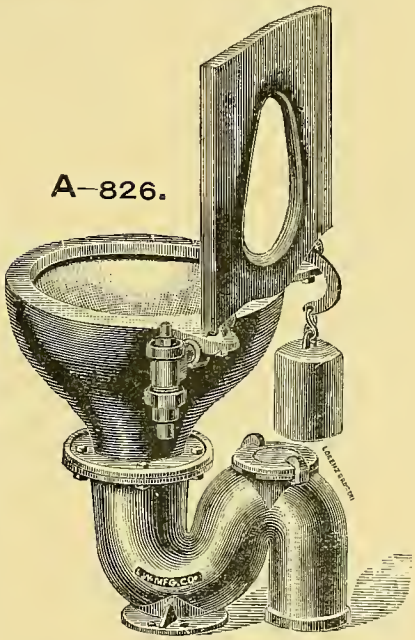
Our No. 1 Valve Closet is warranted to be the best Pan Closet in the market. The Valve has regulating screw. All parts are strongly made. Pan is of 18-oz. Copper.

COMBINED CLOSET AND URINALS.

WITH SELF-RAISING SEAT.



A–825.



A–826.

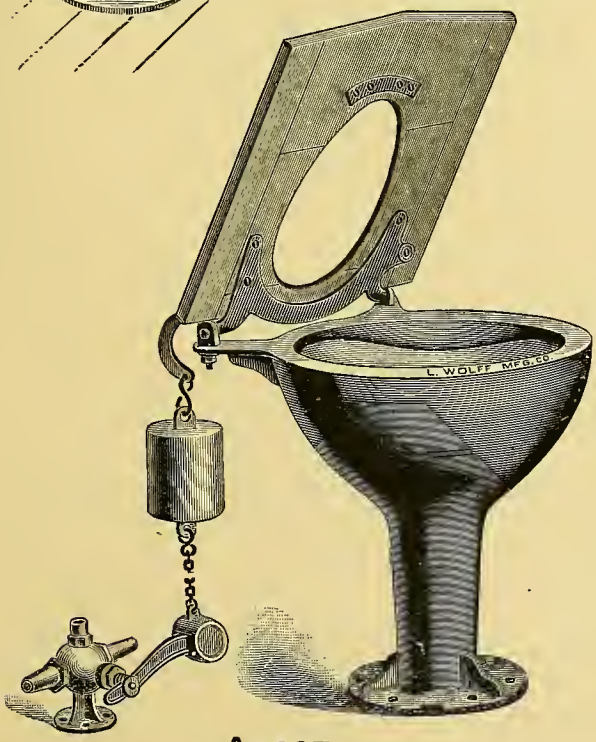
Single Acting Valve runs while seat is occupied. Double Acting Valve runs small quantity when seat is first occupied and limited time after seat is relieved.

A-825, Straight Hopper, each, . . $10.00 Flatly.

A-826, with Full "S" Trap, each, . . $11.00 Flatten.

A-826 can be furnished with ½ (Flatus.) or "¾ S" (Flaunt.) Trap when desired.

N. B.—In ordering be careful to state which Valve is wanted, Single (Flattish.) or Double-Acting (Flatting.).



A–827.

McIVER HOPPER.

WITH KELLY VALVE.

Price as shown with Kelly Valve, . . . $12.00 Flatter.

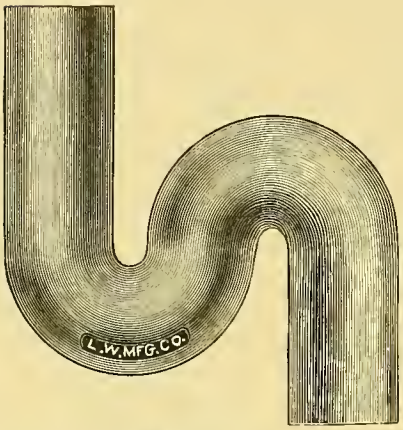
The Valve is placed below the frost line and is connected to the Hopper with a chain; when seat is depressed the Valve is opened and Hopper is flushed; when seat is relieved the Supply Valve is closed and the Waste Valve opened, allowing the water which is left between the Valve and Hopper to escape, this leaves the pipe between the Valve and the Hopper free from water.

This style of Hopper and Valve is especially adapted for use in out-houses or any place where exposed to a low temperature. It has been adopted by the City of Denver for such use.

WOLFF'S IMPROVED LEAD TRAPS.

These Traps have been on the market some years and have proven entirely satisfactory. They are made extra thick at the bends.

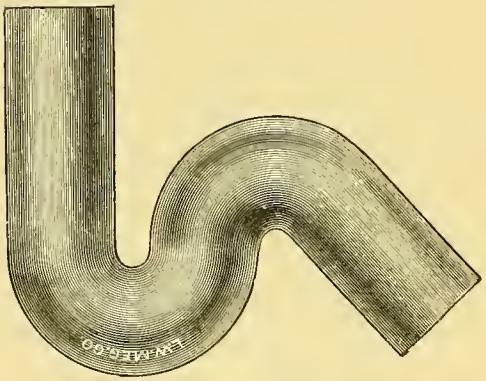
We warrant them to flange satisfactorily.



A—828.

FULL "S" TRAPS.

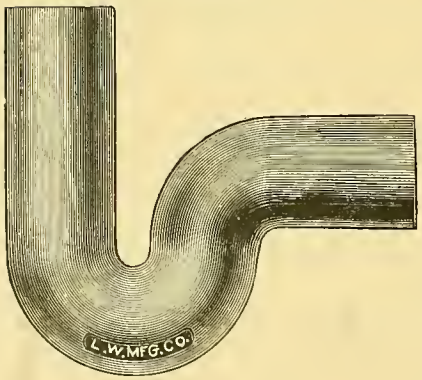
4 inch, each, ... $1.90 Flavor.



A—829.

THREE-QUARTER "S" TRAPS.

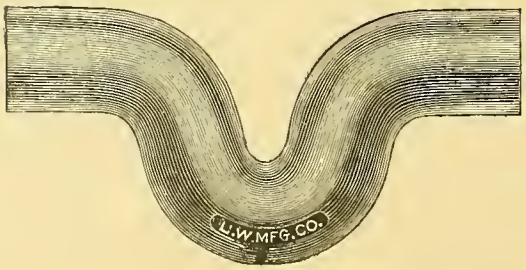
4 inch, each, ... $1.90 Flavous.



A—830.

HALF "S" TRAPS.

4 inch, each, ... $1.45 Flaw.



A—831.

RUNNING TRAPS, WITH TRAP SCREW

1¼ inch, each, ... $0.40 Flawn.

1½ inch, each, ... $0.50 Flawter.

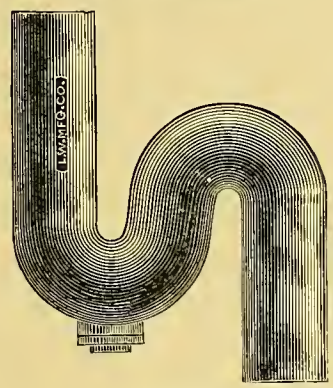
2 inch, each, ... $0.80 Flawry.

WOLFF'S IMPROVED LEAD TRAPS.

These Traps have been on the market for some years and have proven entirely satisfactory. They are made **extra thick** at the **bends.** We warrant them to flange satisfactorily.

FULL "S" TRAP.

WITH TRAP SCREW.

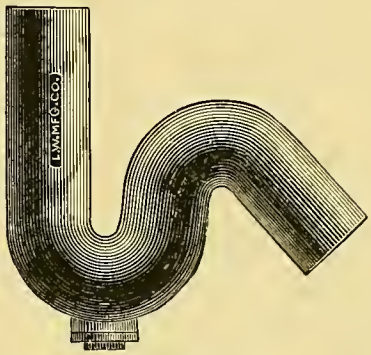


A—832.

1¼ inch, each,	$0.50 Flap.
1½ inch, each,	$0.60 Flaxen.
2 inch, each,	$0.95 Flaxy.
3 inch, each,	$1.70 Flay.

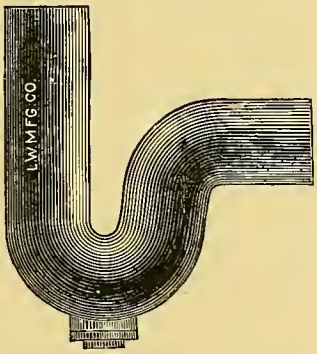
THREE-QUARTER "S" TRAP.

WITH TRAP SCREW.



A—833.

1¼ inch, each,	$0.50 Fleabite.
1½ inch, each,	$0.60 Fleak.
2 inch, each,	$0.95 Fleaking.
3 inch, each,	$1.70 Fleam.



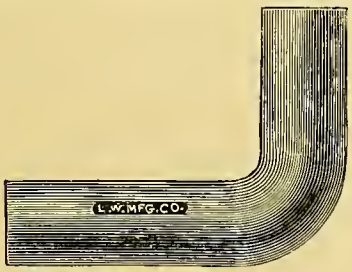
A—834.

HALF "S" TRAPS.

WITH TRAP SCREW.

1¼ inch, each,	$0.40 Fleamy.
1½ inch, each,	$0.50 Fleche.
2 inch, each,	$0.80 Fleck.
3 inch, each,	$1.30 Flecker.

LONG LEAD BENDS.



A—835.

1¼ inch, each,	$0.26 Fleckless.
1½ inch, each,	$0.36 Flection.
2 inch, each,	$0.55 Flector.
3 inch, each,	$0.90 Fled.
4 inch, each,	$1.10 Fledge.

SHORT LEAD BENDS.

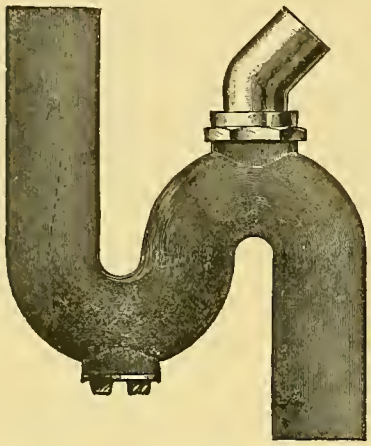
A—836.

1¼ inch, each,	$0.20 Flee.
1½ inch, each,	$0.30 Fleece.
2 inch, each,	$0.41 Fleeced.
3 inch, each,	$0.65 Fleecer.
4 inch, each,	$0.88 Fleecy.

WOLFF'S IMPROVED LEAD TRAPS.

WITH BRASS VENT CONNECTION.

These Traps possess the following advantages: You can disconnect to clean the Vent. You can put in a blind Washer to disconnect when forcing out the Waste. You avoid obstructing the Trap, as sometimes happens when "branching" for the Vent. The extra cost is no more than the value of extra time and material used in making a "branch" Vent.

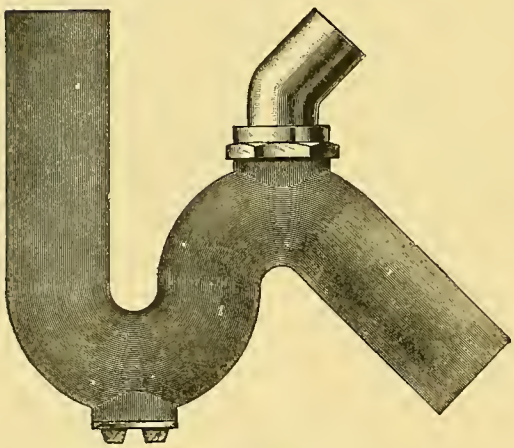


A—837.

FULL "S" TRAPS.

WITH BRASS VENT AND TRAP SCREW.

SIZES.	
1¼ inch, each,	$0.90 Fleer.
1½ inch, each,	$1.10 Fleerer.
2 inch, each,	$1.45 Fleetly.
2 inch, with 2 inch Vent, each,	$1.65 Fleming.



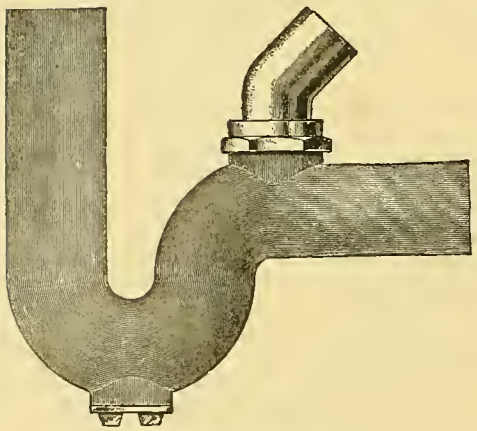
A—838.

THREE-QUARTER "S" TRAPS.

WITH BRASS VENT AND TRAP SCREW.

SIZES.	
1¼ inch, each,	$0.90 Flemish.
1½ inch, each,	$1.10 Flench.
2 inch, each,	$1.45 Flense.
2 inch, with 2 inch Vent, each,	$1.65 Flesh.

We can furnish the Brass Vents on Traps **Polished or Plated,** for **Exposed Work,** at a slight additional cost.



A—839.

HALF "S" TRAPS.

WITH BRASS VENT AND TRAP SCREW.

SIZES.	
1¼ inch, each,	$0.80 Flesher.
1½ inch, each,	$1 00 Fleshless.
2 inch, each,	$1.30 Fleshly.
2 inch, with 2 inch Vent, each,	$1.50 Fleshy.

These Traps can be furnished with quarter or eighth bend vents. **Eighth Bend** vents will always be sent unless otherwise ordered. The Eighth or Quarter Bend parts can be furnished separately; they are interchangeable on Traps of the same size, and can be furnished Polished Brass or Nickel Plated at a slight additional cost.

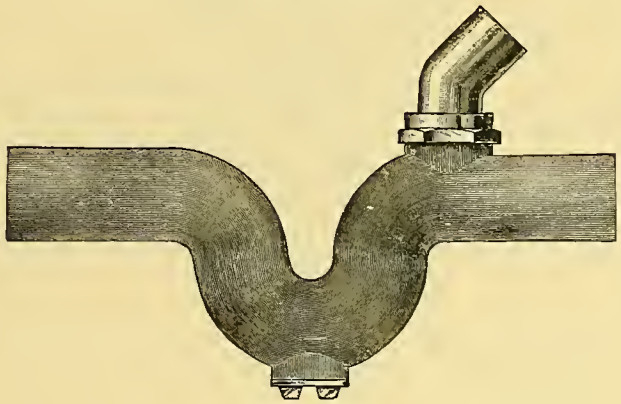
WOLFF'S IMPROVED LEAD TRAPS.

WITH BRASS VENT CONNECTIONS.

These Traps possess the following advantages: You can disconnect to clean the Vent. You can put in a blind Washer to disconnect when forcing out the Waste. You avoid obstructing the Trap, as sometimes happens when Branching for the Vent. The extra cost is no more than the value of extra time and material used in making a "branch" Vent.

RUNNING TRAPS.

WITH BRASS VENT AND TRAP SCREW.



A—840.

SIZES.

1¼ inch, each,	$0.80 Flet.
1½ inch, each,	$1.00 Fletcher.
2 inch, each,	$1.30 Fleury.
2 inch, with 2 inch Vent, each,	$1.50 Flew.

These Traps can be furnished with quarter or eighth bend vents. Eighth Bend vents will always be sent unless otherwise ordered. The Eighth or Quarter Bend parts can be furnished separately; they are interchangeable on Traps of the same size, and can be furnished Polished Brass or Nickel Plated at a slight additional cost.

EXTRA LONG TRAPS.

EXTRA LONG FULL "S."

A—841.

1¼ inch, each,	$0.80 Flewed.
1½ inch, each,	$1.00 Flex.

The outlet end on this style of Trap is of sufficient length to reach from the basin or sink to floor, therefore requiring only the joint at floor.

The Trap and outlet end being made in one piece makes it a very desirable article, especially for open work.

These Traps can be furnished with quarter or eighth bend vents. **Eighth Bend** vents will always be sent unless otherwise ordered.

The Eighth or Quarter Bend parts can be furnished separately; they are interchangeable on Traps of the same size and can be furnished Polished Brass or Nickel Plated at a slight additional cost.

EXTRA LONG FULL "S."
WITH BRASS VENT.

A—842.

1¼ inch, each,	$1.20 Flexible.
1½ inch, each,	$1.50 Flexor.

LEAD DRUM TRAPS.

WITH PLAIN SCREW.

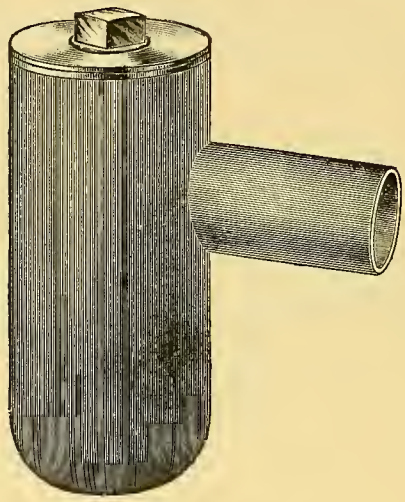
A—843.

Diameter 4 in. Length 9 in.

With Brass Screw, each, $1.40 Flick.

With N. P. Screw, each, $1.65 Flier.

WITH PLAIN SCREW AND 2 IN. SIDE OUTLET.



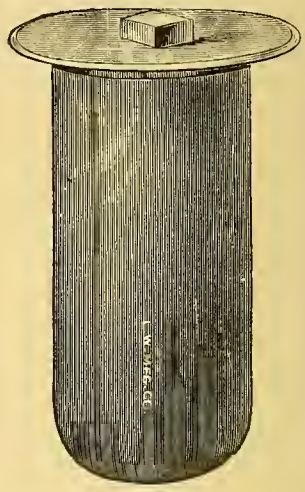
A—844.

Diameter 4 in. Length 9 in.

With Brass Screw, each, $1.50 Flicker.

With N. P. Screw, each, $1.75 Flight.

WITH PROJECTING SCREW.



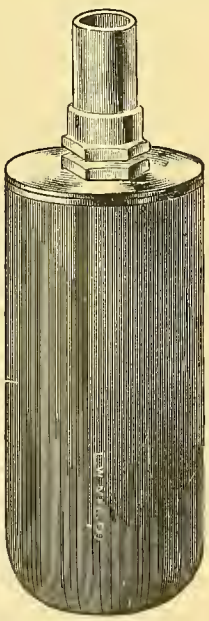
A—845.

Diameter 4 in. Length 9 in.

With Brass Screw, each, $1.50 Fidge.

With N. P. Screw, each, $1.75 Flighted.

PLAIN SCREW, WITH 1½ IN. STRAIGHT COUPLING.



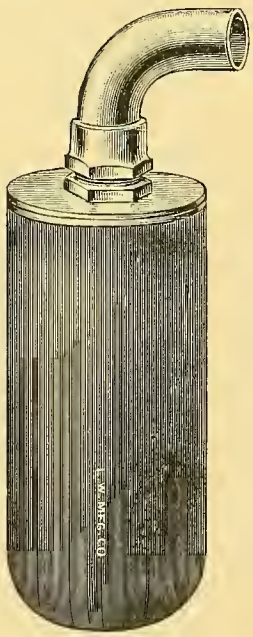
A—846.

Diameter 4 in. Length 9 in.

With Brass Screw, each, $1.90 Flighty.

With N. P. Screw, each, $2.25 Flincher.

PLAIN SCREW, WITH 1½ IN. BENT COUPLING.



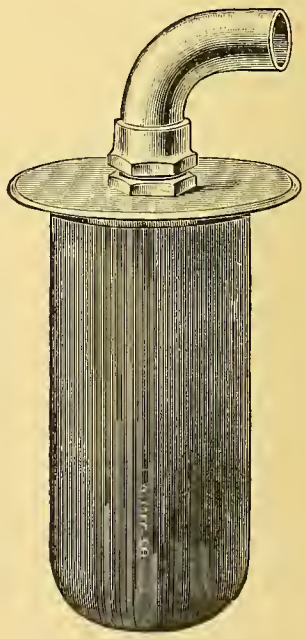
A—847.

Diameter 4 in. Length 9 in.

With Brass Screw, each, $2.00 Flimsy.

With N. P. Screw, each, $2.35 Flinders.

PROJECTING SCREW, WITH 1½ IN. BENT COUPLING.



A—848.

Diameter 4 in. Length 9 in.

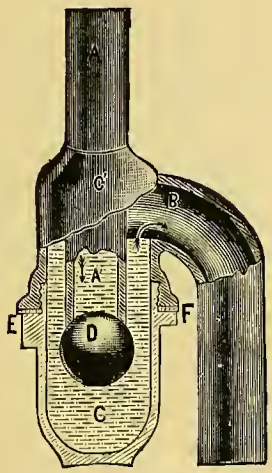
With Brass Screw, each, $2.20 Flinch.

With N. P. Screw, each, $2 55 Fling.

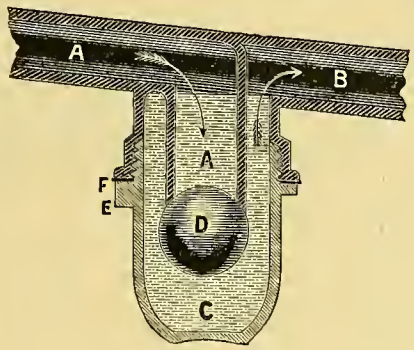
NOTE—Any of the above Drum Traps are also made in 6 inch.

BOWER'S TRAPS.

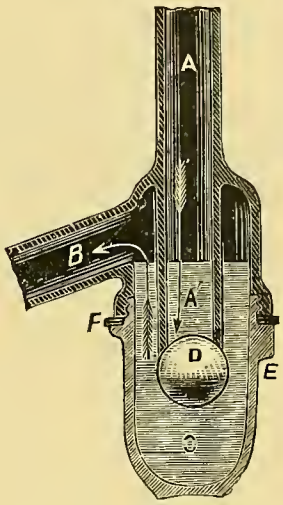
"S" TRAPS. RUNNING. ONE-HALF "S" TRAPS



A—849.



A—850.

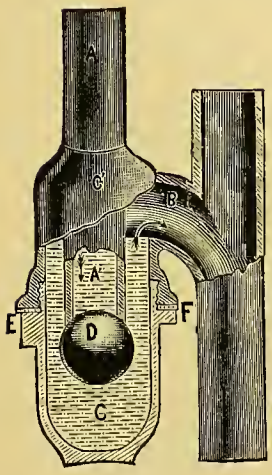


A—851.

FORM.	FULL "S."					RUNNING.		HALF "S."				
Size, Inlet,	1 in.	1¼in.	1¼in.	1½in.	1½in.	1¼in.	1½in.	1 in.	1¼in.	1¼in.	1½in.	1½in.
Size, Outlet,	1¼in.	1¼in.	1½in.	1½in.	2 in.	1¼in.	1½in.	1¼in.	1¼in.	1½in.	1½in.	2 in.
Lead and Glass,	$1.00 Flog.	1.05 Flong.	1.10 Flood.	1.38 Flooder.	1.50 Flooding.	1.10 Flook.	1.40 Flooking.	.95 Flooky.	1.00 Floor.	1.05 Flooring.	1.30 Floorless.	1.40 Flop.
All Lead,	$1.20 Floppy.	1.25 Flora.	1.30 Floral.	1.63 Floran.	1.75 Floreal.	1.30 Floren.	1.65 Florence.	1.15 Floret.	1.20 Florid.	1.25 Florin.	1.55 Florist.	1.65 Floroon.
Lead and Brass,	$1.40 Floscule.	1.45 Floss.	1.50 Flossy.	1.88 Flota.	2.00 Flotage.	1.50 Flotant.	1.90 Flote.	1.35 Flotten.	1.40 Flounce.	1.45 Flounder.	1.80 Flour.	1.90 Flourish.
Lead and Brass N. P.	$1.50 Floury.	1.55 Flout.	1.60 Flow.	2.00 Flowage.	2.12 Flower.	1.60 Floweret.	2.02 Flowery.	1.45 Flowk.	1.50 Flown.	1.55 Fluate.	1.92 Fluccan.	2.02 Flue.
Brass Body Screw and Glass,	$1.45 Fluence.	1.50 Fluent.	1.55 Fluff.	1.88 Fluffy.	2.00 Fluid.	1.55 Flukan.	1.90 Fluke.	1.40 Fluky.	1.45 Flume.	1.50 Flung.	1.80 Flunk.	1.90 Flunky.
Brass Body Screw and Lead,	$1.65 Fluor.	1.70 Fluoric.	1.75 Fluoride.	2.13 Fluorine.	2.25 Fluoroid.	1.75 Flurry.	2.15 Flurt.	1.60 Flush.	1.65 Flusher.	1.70 Fluster.	2.05 Flustra.	2.15 Flute.
Brass Body Screw and Brass,	$1.85 Fluted.	1.90 Fluter.	1.95 Fluting.	2.38 Flutist.	2.50 Flutter.	1.95 Fluty.	2.40 Flux.	1.80 Fluxion.	1.85 Fly.	1.90 Flyblow.	2.30 Flyboat.	2.40 Flyer.
Brass Body Screw, N. P. and Glass,	$1.50 Flyleaf.	1.55 Flyman.	1.60 Flyrail.	1.94 Flyslow.	2.06 Flyspeck.	1.60 Flytrap.	1.96 Flywheel.	1.45 Fo.	1.50 Foal.	1.55 Foam.	1.86 Foamless.	1.96 Foamy.
Brass Body Screw and Brass N. P.	$2.00 Fob.	2.05 Focal.	2.10 Focile.	2.58 Focus.	2.70 Fodder.	2.10 Foe.	2.60 Foeman.	1.95 Fog.	2.00 Fogey.	2.05 Fogge.	2.50 Fogger.	2.60 Fogless.

BOWER TRAPS, VENTED.

WITHOUT COUPLING.

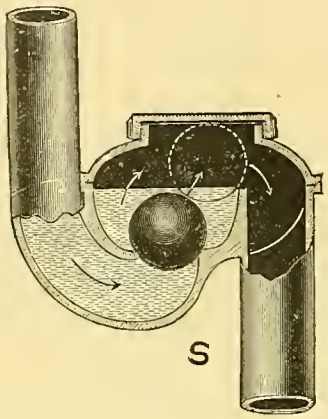


A—852.

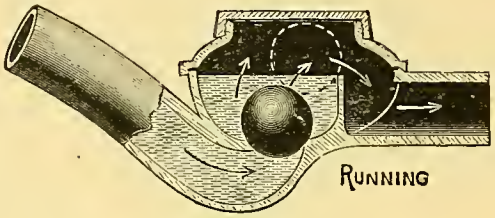
FORM	FULL "S."		HALF "S."	
Trap Number,	70.	78.	71.	79.
Size, Inlet,	1¼ in.	1½ in.	1¼ in.	1½ in.
Size, Outlet,	1¼ in.	1½ in.	1¼ in.	1½ in.
Lead and Glass, Style A,	$1.15 Fogy.	1.53 Foh.	1.10 Foible.	1.45 Foil.
All Lead, Style B,	$1.35 Foiler.	1.78 Foiling.	1.30 Foin.	1.70 Foison.
Lead and Brass, Style C,	$1.55 Foist.	2.03 Foister.	1.50 Foisty.	1.95 Fold.
Lead and Brass N. P., Style D,	$1.65 Flodage.	2.15 Folder.	1.60 Folding.	2.07 Foldless.
Brass Body Screw and Glass, Style E,	$1.60 Foliage.	2.03 Foliar.	1.55 Foliate.	1.95 Foliated.
Brass Body Screw and Lead, Style F,	$1.80 Folier.	2.28 Folio.	1.75 Foliole.	2.20 Foliose.
Brass Body Screw and Brass, Style G,	$2.00 Folk.	2.53 Follow.	1.95 Folly.	2.45 Foment.
Brass Body Screw, N. P. and Glass, Style H,	$1.65 Fon.	2.09 Fond.	1.60 Fondle.	2.01 Fondler.
Brass Body Screw and Brass, N. P., Style I,	$2.15 Fondly.	2.73 Fondus.	2.10 Fone.	2.65 Fonly.

Vented Traps can also be furnished with Rough, Finished or Nickel Plated Vent Couplings.

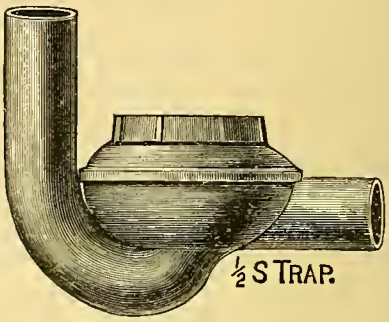
CUDELL TRAPS.



A—853.



A—854.



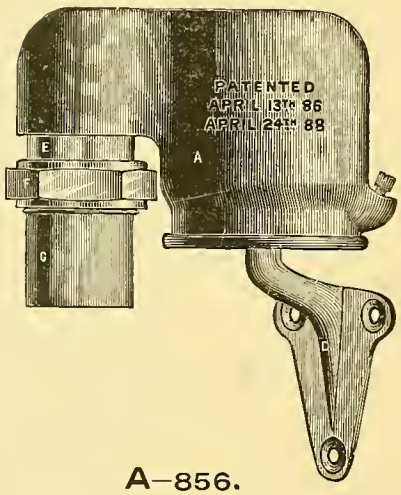
A—855.

Same price for "S," "½ S," "¾ S," Running or Bath Traps.

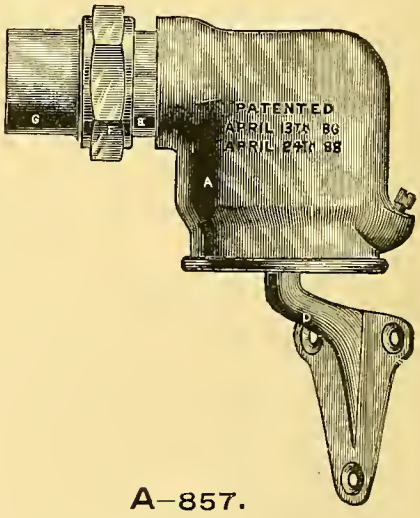
Lead Body, Hard Metal Dome, Inlet 1¼ inch; Outlet 1½ inch, each,	$1.00 Fontal.	With Vent Top, each,	$1.25 Fontague.
Lead Body, Hard Metal Dome, Inlet 1½ inch; Outlet 1½ inch, each,	$1.25 Fooley.	With Vent Top, each,	$1.50 Foolish.
Lead Body, Hard Metal Dome, Inlet 1½ inch; Outlet 2 inch, each,	$1.35 Footboy.	With Vent Top, each,	$1.60 Footed.

When ordering be particular to give **size** and **style** of **Trap** wanted.

McCLELLAN ANTI-SIPHON TRAP VENT.



A—856.



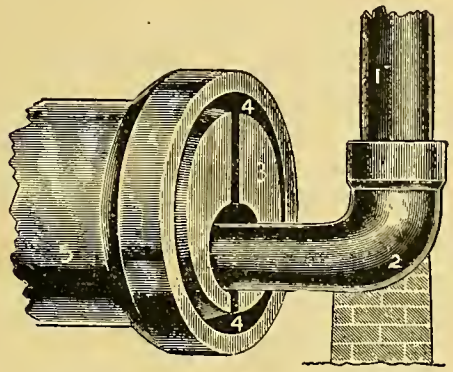
A—857.

Made in Two Sizes, 1½ and 2 inch, with either side or bottom connection, and can be attached to any trap.

In ordering please be particular to state which connection is required.

1½ inch, Plain,	$2.25 Footman.
1½ inch, Nickel Plated,	$4.25 Footpad.
2 inch, Plain,	$3.50 Footrope.
2 inch, Nickel Plated,	$6.00 Footrot.

McMAHON'S SEWER CAPS.



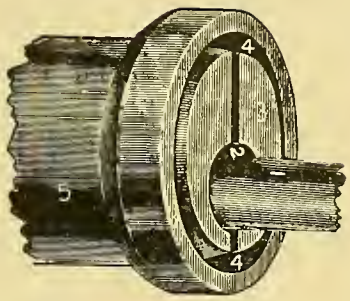
A—858.

CAPS FOR 4 INCH SEWER PIPE.

1 x 4 admits two pipes, 2 inch iron and 1¼ lead.
4 x 1½ admits 1¼ or 1½ lead.
4 x 2 admits 2 inch iron, extra heavy.
4 x 3 admits 3 inch iron, extra heavy.
4 x 4 admits 4 inch lead.

CAPS FOR 9 INCH SEWER PIPE.

9 x 4 admits 4 inch iron, extra heavy.
9 x 5 admits 5 inch iron, extra heavy.
9 x 6 admits 6 inch iron, extra heavy.



A—859.

CAPS FOR 6 INCH SEWER PIPE.

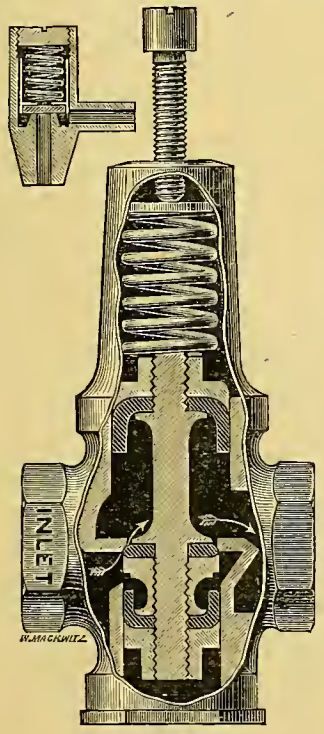
6 x 1 admits two pipes, 2 inch iron and 1½ lead.
6 x 1½ admits 1¼ or 1½ lead.
6 x 2 admits 2 inch iron, extra heavy.
6x2x2 admits two 2 inch iron pipes, extra heavy.
6 x 3 admits 3 inch iron, extra heavy.
6 x 3½ admits 2 pipes 3 in. and 2 in. iron, extra heavy.
6 x 4 admits 4 inch iron, extra heavy.
6 x 5 admits 5 inch iron, extra heavy.

One dozen Sewer Caps, with two cans of compound, price, $5.00 Force.

Assorted sizes same price.

When ordering be particular to give **sizes** wanted.

MUELLER'S AUTOMATIC WATER-PRESSURE REGULATOR.



A—860.

Each, for ¾ inch Pipe,	$10.00 Forcer.
Each, for 1 inch Pipe,	$13.00 Ford.
Each, for 1¼ inch Pipe,	$17.50 Fordo.
Each, for 1½ inch Pipe,	$24.00 Forcing.
Each, for 2 inch Pipe,	$40.00 Fordone.

EVERY REGULATOR WARRANTED.

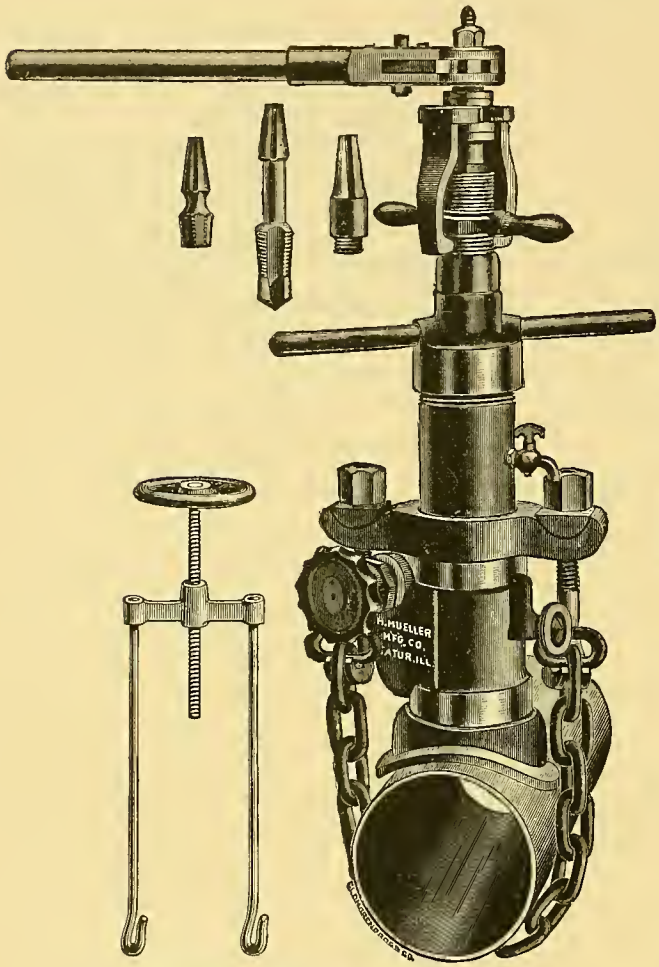
For Lead Pipe, 25 cents extra for Couplings.

Prices for larger Regulators furnished on application.

The above cut is the full half size of a ¾ inch Regulator, screwed for Iron Pipe. This Regulator can be set at any pressure desired in a building, and it will maintain the same regardless of the highest pressure in the street main. A Relief Valve is provided with each Regulator, for expansion of hot water, where a Boiler is used in the building.

MUELLER'S TAPPING MACHINE.

FOR DRILLING AND TAPPING WATER MAINS.



A–861. A–862.

Water Tapping Machine Complete, includes:

1 each, combined Drill and Tap—½, ⅝, ¾, 1 inch.
1 each, Screw or Hexagon Plug—½, ⅝, ¾, 1 inch.
4 Malleable Iron Saddles any size.
1 Chain for any size Pipe.

Price, ... $100.00 Fordry.

In case all the tools and saddles are not required, or more saddles are needed, deduct or add, whichever the case may be, according to price list of extras.

Power Clevis A–861, extra, . . $5.00 Fore.

Power Clevis is never sent with a complete tapping machine unless specially ordered.

The Power Clevis shown in cut A–861 is an extra attachment, and is needed only where very heavy pressure exists, say **90 pounds** or upwards. With this extra attachment a tap can easily be made against any existing high pressure.

To use Power Clevis place hooks under cap handles, with end of screw resting on top of boring bar, then turn hand wheel to the right, forcing boring bar against any pressure.

In ordering a machine it is necessary to state the **Size of Tools Required,** whether **Screw or Hexagon Plugs are wanted,** and also **Sizes of Water Mains** to be tapped. If style of plug is not mentioned, Screw Plugs will be sent. If sizes of mains are not mentioned, saddles for 4, 6, 8 and 10 inch mains will be sent.

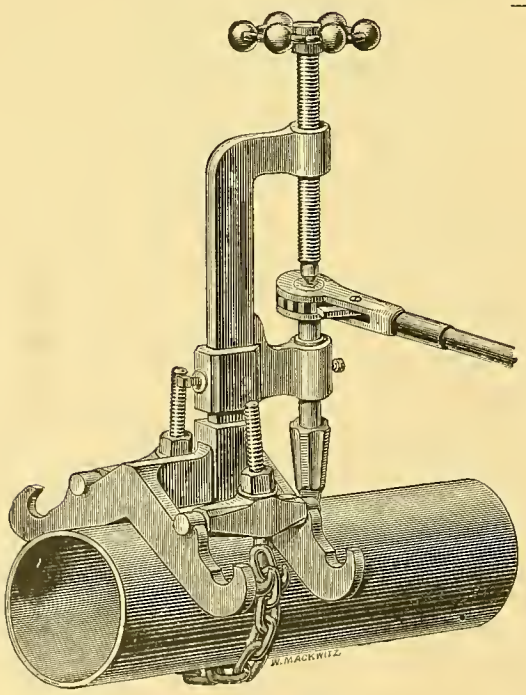
Also state approximate amount of Domestic Pressure.

COMBINED DRILL AND TAP.

FOR MUELLER TAPPING MACHINE, AS NOW MADE.

	NET PRICE.
⅜ inch Drill and Tap, ...	$3.75 Forearm.
½ inch Drill and Tap, ...	$4.00 Forebay.
⅝ inch Drill and Tap, ...	$4.50 Forebode.
¾ inch Drill and Tap, ...	$5.50 Forebow.
1 inch Drill and Tap, ...	$6.50 Foreby.
Screw Plugs, ⅜, ½, ⅝, ¾ and 1 inch wide, each, .	$0.60 Forcast.

NOTE—Any part of the Mueller Tapping Machine can be furnished separately when desired.



A–863.

MUELLER'S IMPROVED TAPPING MACHINE.

FOR TAPPING GAS AND DRY PIPES.

Price, Machine complete, without tools, ... $21.00 Foreclose.

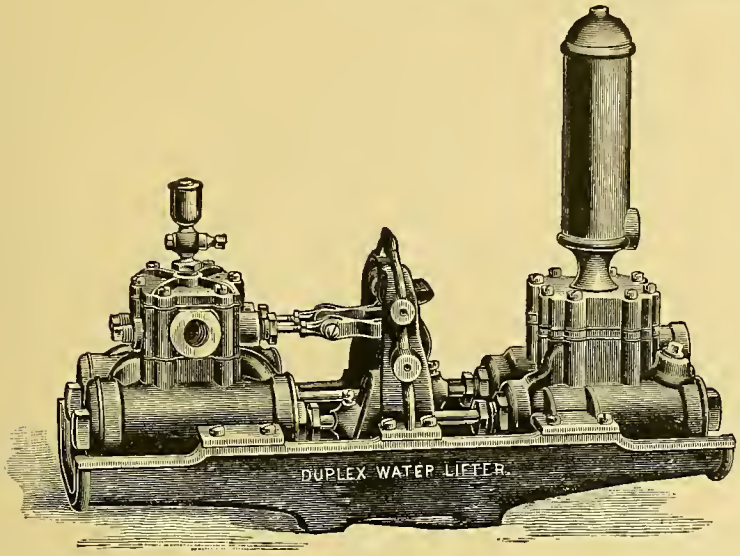
COMBINED TAPS AND DRILLS FOR DRY TAPPING.

Size, ...		½	¾	1 in.
Standard Iron Pipe Thread, each, .		$4.00 Foredate.	4.50 Foredect.	5.00 Foredeem.
Size, ...		1¼	1½	2 in.
Standard Iron Pipe Thread, each, .		$6.25 Foredoom.	7.50 Foreend.	9.50 Forefeel.
Size, ...	½	⅝	¾	1 in.
Standard Corp-Stop-Cock Thread, ea.,	$4.00 Forefend.	4.25 Foreflow.	4.50 Forefoot.	5.00 Forefront.

NOTE—When ordering state size of Tools desired, also give size of Largest Main to be tapped; unless otherwise ordered, Tools with Iron Pipe Thread will be sent.

GOULDS "DUPLEX" WATER LIFTER.

AN AUTOMATIC PUMP OPERATED BY WATER PRESSURE.



A—864.

We can but briefly sketch the new Duplex Water Lifter here. It is designed to pump automatically, and by water pressure, pure city water to a greater height than its natural pressure will deliver it, or by this same water pressure, pure cistern water, where this is preferable to general supply for domestic purposes, etc., to upper supply tanks, bath rooms, etc. It dispenses with all noisy, cumbersome or offensive combinations of Engines and Pumps, and does its work noiselessly and automatically, and withal without waste of water and attending expense.

It is designed after the well-known Duplex Steam Pump and operated by water pressure from city mains or windmill tower tanks. The water is conducted to Lifter and after exerting its efficiency may be discharged through waste pipe to sewer, or equally as well utilized for the many ordinary requirements of the household.

Our system of piping by which this waste water may be utilized on the same or higher level than Lifter is fully described in our special circular, to which we would refer.

All parts are of bronze metal, except drip-pan underneath, and we can confidently recommend this Lifter to our friends as complete in every respect, and efficient to a degree heretofore unknown in Engines of this class.

The tank should in all cases be provided with an overflow pipe back to cistern, or floats be arranged in tank to operate valve in supply pipe.

SIZES, PRICES, ETC.

	Diameter of Power Cyls. Inches.	Diameter of Pump Cyls. Inches.	Stroke. Inches.	Openings. Inches.	Height over all. Inches.	Length over all. Inches.	Price.
No. 0	1½	1¼	3	½	13½	17½	$40.00 Forego.
No. 1	2	1¼	3	½	13½	17½	$41.50 Forehand.
No. 2	2½	1¼	3	½	13½	17½	$43.00 Forehear.

Securely packed, one in a box, with pair of iron brackets and shelf to stand on.

TABLE OF HEIGHTS DIFFERENT PRESSURES WILL RAISE WATER FROM CISTERNS.

WHERE EXHAUST WATER IS DISCHARGED ON THE SAME OR LOWER LEVEL THAN LIFTER.

No. 0 with 25 pounds pressure on Power Cylinders will force 45 feet above Cistern.
No. 0 with 50 pounds pressure on Power Cylinders will force 85 feet above Cistern.
No. 1 with 20 pounds pressure on Power Cylinders will force 60 feet above Cistern.
No. 1 with 40 pounds pressure on Power Cylinders will force 125 feet above Cistern.
No. 2 with 10 pounds pressure on Power Cylinders will force 50 feet above Cistern.
No. 2 with 15 pounds pressure on Power Cylinders will force 75 feet above Cistern.
No. 2 with 20 pounds pressure on Power Cylinders will force 100 feet above Cistern.

TABLE OF HEIGHTS DIFFERENT PRESSURES WILL RAISE WATER FROM CISTERNS.

AND ELEVATE THE EXHAUST WATER ABOVE LIFTER.

No. 0 with 25 pounds on Power Cylinders will discharge 18 feet above cistern and exhaust 20 feet above Lifter.
No. 0 with 50 pounds on Power Cylinders will discharge 40 feet above cistern and exhaust 30 feet above Lifter.
No. 1 with 20 pounds on Power Cylinders will discharge 20 feet above cistern and exhaust 15 feet above Lifter.
No. 1 with 40 pounds on Power Cylinders will discharge 62 feet above cistern and exhaust 25 feet above Lifter.
No. 2 with 10 pounds on Power Cylinders will discharge 10 feet above cistern and exhaust 10 feet above Lifter.
No. 2 with 15 pounds on Power Cylinders will discharge 35 feet above cistern and exhaust 10 feet above Lifter.
No. 2 with 20 pounds on Power Cylinders will discharge 40 feet above cistern and exhaust 15 feet above Lifter.

Capacity of Goulds Duplex Water Lifter at rate of about 150 gallons per hour.

These examples might be multiplied indefinitely and are merely cited to illustrate duty "The Duplex" will perform under most economic conditions.

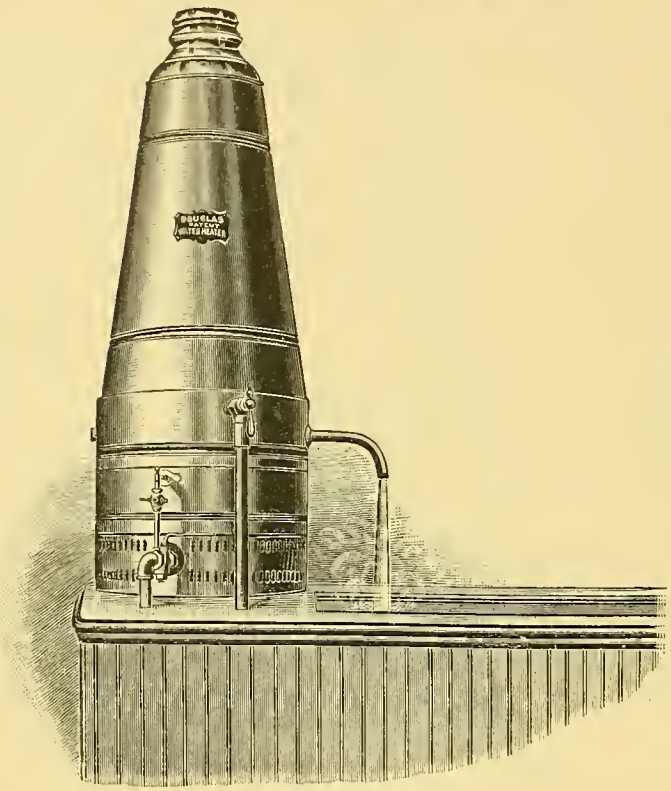
TABLE OF CAPACITIES OF POWER AND PUMP CYLINDERS.

No. 0 for 2¼ gallons used in Power Cylinders, 1½ gallons discharged from Pump Cylinders.
No. 1 for 4 gallons used in Power Cylinders, 1½ gallons discharged from Pump Cylinders.
No. 2 for 6¼ gallons used in Power Cylinders, 1½ gallons discharged from Pump Cylinders.

A comparison with our table of sizes will show that we make three sizes of Power Cylinders adapted for different pressures, the Pump Cylinders being same on all Lifters.

THE "DOUGLAS" No. 2 INSTANTANEOUS WATER HEATER.

FOR BATHS AND DOMESTIC PURPOSES.



A—865.

	DIAMETER.	HEIGHT.
No. 1 Douglas,	9 in.	24 in.
No. 2 Douglas,	15 in.	42 in.
No. 3 Douglas,	15 in.	42 in.
No. 4 Acme,	12 in.	38 in.
No. 5 Acme, Gasoline,	12 in.	40 in.

PRICE, F. O. B. CHICAGO.

	COPPER.	NICKEL.
No. 1 Douglas,	$20.00 Forehew.	23.00 Forehook.
No. 2 Douglas,	$35.00 Foreign.	40.00 Forejudge.
No. 3 Douglas,	$45.00 Foreknow.	52.00 Forel.
No. 4 Acme,	$30.00 Forelay.	35.00 Forelend.
No. 5 Acme, Gasoline,	$38.00 Forelet.	44.00 Forelift.

Add for Gasoline Gas, $2.00 Forelock.

Fittings for Bath and Basin, $3.00 Foreman

	JAPAN FINISH.	NICKEL.
Shelf for No. 1,	$1.50 Foremast.	2.50 Foremost.
Shelf for No. 2,	$2.50 Forename.	4.00 Forensal.
Shelf for No. 3,	$2.50 Forensic.	4.00 Forepart.
Shelf for No. 4,	$2.50 Foresay.	4.00 Foresee.
Shelf for No. 5,	$2.50 Foreseen.	4.00 Foreslip.

	NET WEIGHT.	GROSS WEIGHT.
No. 1 Douglas,	25 lbs.	50 lbs.
No. 2 Douglas,	50 lbs.	115 lbs.
No. 3 Douglas,	60 lbs.	125 lbs.
No. 4 Acme,	40 lbs.	90 lbs.
No. 5 Acme, Gasoline,	40 lbs.	90 lbs.

Nos. 1, 2, 3 and 4 are used with Coal, Water, or Natural Gas; also Gasoline Gas produced by Gas Machines.

No. 1 Heater is only intended for basin use and where small quantities of hot water are required.

Nos. 2, 3 and 4 are specially adapted for supplying the bath, and basin if desired.

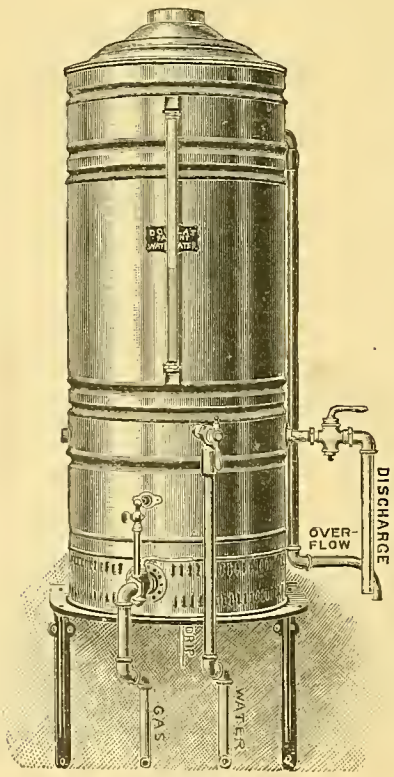
Gas supply for No. 1 should be ⅜ in. pipe, and for Nos. 2, 3 and 4, ½ in. pipe.

No. 2 Heater will supply an ordinary bath in from 8 to 15 minutes; No. 4 in from 12 to 20 minutes, with an average gas consumption of 15 feet per bath.

No. 5 will supply an ordinary bath in from 10 to 20 minutes at an average cost of one cent for gasoline.

THE "DOUGLAS" No. 3 INSTANTANEOUS WATER HEATER.

SPECIALLY DESIGNED FOR MEDICAL, ELECTRIC AND MASSAGE BATHS, ALSO IN CLUB ROOMS AND WHERE BATHS ARE DESIRED AT SHORT INTERVALS, AND OPERATED BY AN ATTENDANT.



A—866.

The interior construction of Heater is the same as No. 2, but by continuing the diameter of base to top of Heater storage, capacity is had between cylinders H and M to hold 15 gallons of water, which will be found of special advantage where baths are used for purposes mentioned.

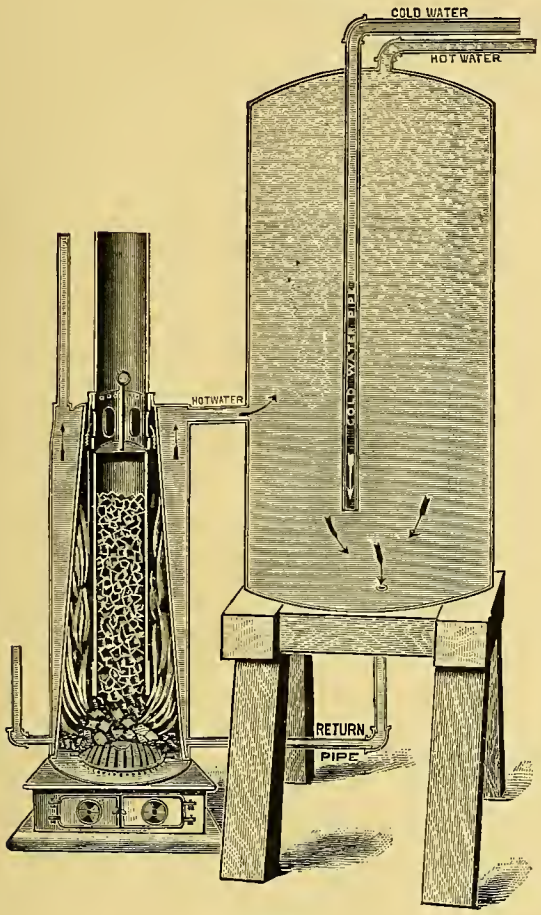
Owing to quantity of water in Heater same can be discharged in a few moments, and during the time the bath is being used the Heater can be refilled and ready for supplying the next bath in from 15 to 20 minutes. The temperature of water in Heater can be regulated by supply cock, and by allowing the water to enter slowly, such high temperature is attained that with the quantity of cold water added to contents of Heater there will be sufficient water for a large bath

The Heater is arranged with discharge and overflow connections on both sides, making them right or left handed, and also well adapted where two tubs are to be supplied. The Heater is also supplied with a water gauge, which shows at all times what quantity of water is in Heater and assists in regulating the temperature of same. Heater can also be used same as other sizes, i. e. to allow the water to heat in its passage through.

Used with Coal, Water or Natural Gas, also Gasoline Gas produced by Gas Machines. In ordering special mention is only necessary when desired for Gasoline Gas.

WILKS WATER HEATER AND HOT WATER RESERVOIR.

FOR BARBER SHOPS, BATH HOUSES, HOTELS AND GREENHOUSES.



A—867.

This Heater is particularly adapted for all places where a large quantity of hot water is used. The Stove can be used without the Reservoir if you have a storage place for the heated water, and so connected with water as to circulate. The door to feed by is in a portion of Smoke Pipe, which we furnish. Fire can be kept in Self-Feeders for twelve hours without attention.

SMALL SIZES NOT SELF FEEDERS.

Size of Furnace.	Approximate Heating Power. 2-inch Pipe.	Heating Surface. Square Inches.	Heating Capacity. Galls. per Hour.	Approximate Weight.	Price.
10 x 15	50 ft.	342	30	70 lbs.	$20.00 Forest.
10 x 18	60 ft.	399	40	75 lbs.	$21.00 Forestall.
12 x 24	100 ft.	648	65	125 lbs.	$25.00 Foretell.
12 x 30	125 ft.	792	75	155 lbs.	$26.50 Foretop.
14 x 30	150 ft.	945	100	185 lbs.	$30.00 Forever.
14 x 36	175 ft.	1,066	125	205 lbs.	$32.00 Forward.

SELF-FEEDING SIZES.

Size of Furnace. Inches.	Height from Floor to top of Dome. Inches.	Size of Openings Inches.	Heating Surface. Square Inches.	Approximate Heating Power. 4-in. Pipe. Feet.	Heating Capacity. Gallons per Hour.	Approximate Weight. Pounds.	Price with Coal Magazine.	Price for Soft Coal Burners.
16 x 30	41½	1½	1224	250	140	340	$ 57.50 Forewish.	$ 54.50 Forgo.
16 x 36	47½	1½	1435	300	150	380	60.00 Forewit	56.50 Forgot.
20 x 30	43	2	1584	425	200	445	72.00 Foreworn	68.00 Forhail.
20 x 36	49	2	1720	450	250	500	75.00 Forfeit.	70.50 Forhend.
20 x 42	55	2	2064	500	285	535	80.00 Forfend.	75.00 Fork.
24 x 36	50	2	2376	700	300	715	105.00 Forfex.	99.00 Forked
24 x 42	56	2	2548	1000	325	740	110.00 Forgave	103.50 Forkless.
30 x 42	57	3	3536	1200	650	1230	130.00 Forge.	123.00 Forktail
30 x 48	63	3	4002	1250	700	1280	135.00 Forger.	127.50 Forky.
36 x 42	60	3	4105	1450	900	1950	175.00 Forget	167.00 Forlay.
36 x 48	66	3	4588	1550	1000	2000	195.00 Forgetive.	186.00 Forlend.
42 x 42	63	3	5356	2000	1200	2600	215.00 Forging.	203.00 Forlet.
42 x 48	69	3	5928	2400	1300	2700	225.00 Forgive.	210.00 Forlie.

NOTE—For direct radiation each square foot of radiating surface will heat from 20 to 40 cubic feet of space, dependent on the conditions as to exposure, etc.

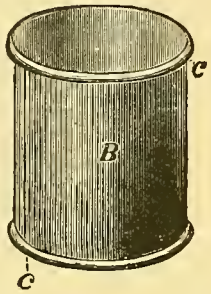
PRICE LIST OF STEEL TANKS.

Length.	Diameter	Capacity.	Approximate Weight.	Price.	
5 ft.	20 in.	82 galls.	210 lbs.	$40.00	Forlore.
5 ft.	24 in.	120 galls.	265 lbs.	55.00	Forlorn.
6 ft.	24 in.	142 galls.	345 lbs.	65.00	Forlye.
9 ft.	24 in.	212 galls.	470 lbs.	85.00	Form.
5 ft.	30 in.	180 galls.	445 lbs.	80.00	Formal.
6 ft.	30 in.	220 galls.	490 lbs.	85.00	Formate
9 ft.	30 in.	332 galls.	660 lbs.	95.00	Formed.
5 ft.	36 in.	265 galls.	500 lbs.	$ 90.00	Former.
6 ft.	36 in.	320 galls.	600 lbs.	95.00	Formful.
9 ft.	36 in.	470 galls.	890 lbs.	130.00	Formula.
9 ft.	42 in.	650 galls.	1200 lbs.	165.00	Formic.
8 ft.	42 in.	575 galls.	1080 lbs.	150.00	Formule.
6 ft.	42 in.	425 galls.	875 lbs.	125.00	Formill.

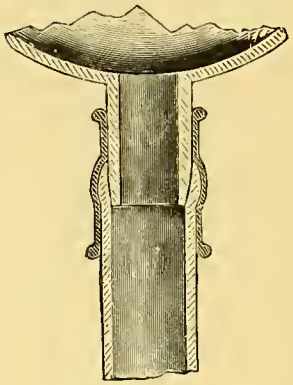
OHLIGER'S RUBBER CONNECTION.

FOR CONNECTING RUBBER PLUG BOWLS, URINALS, THE OVERFLOW OF COMMON OVERFLOW BOWLS, AND ALL KINDS OF EARTHENWARE TO THE WASTE PIPE.

SECTIONAL VIEW. SHOWING APPLICATION.



A—868.

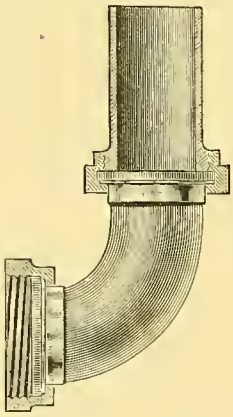


A—869.

Per dozen, ... $2.00 Forpass.

RICKETTS RUBBER ELBOWS.

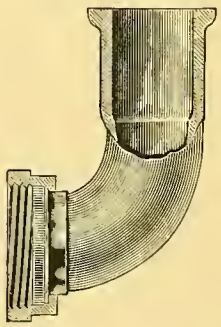
No. 2.



A—870.

Per dozen, ... $6.00 Forpine.

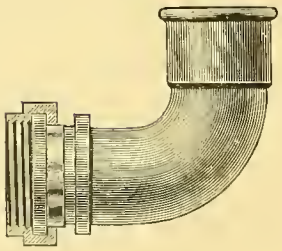
No. 3.



A—871.

Per dozen, ... $4.50 Forray.

No. 6.
FOR VENT.



A—872.

Per dozen, ... $7.50 Forrill.
(Extension Elbow.)

No. 7.
FOR VENT.

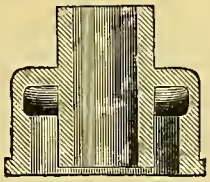
A—873.

Per dozen, ... $7.00 Forsake.

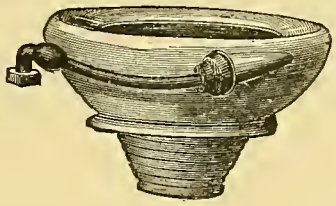
COLER'S RUBBER COUPLING.

FOR CONNECTING THE SUPPLY PIPE TO WATER CLOSET BOWLS, URINALS, HOPPERS, WASH BASINS, ETC.

SECTIONAL VIEW.



A—874.



A—875.

For Earthen Basins, per doz.,	$2.00	Forsay.
For Closet Bowls, per doz.,	$2.00	Forslow.

GLOBE VENTILATORS.

GALVANIZED IRON.

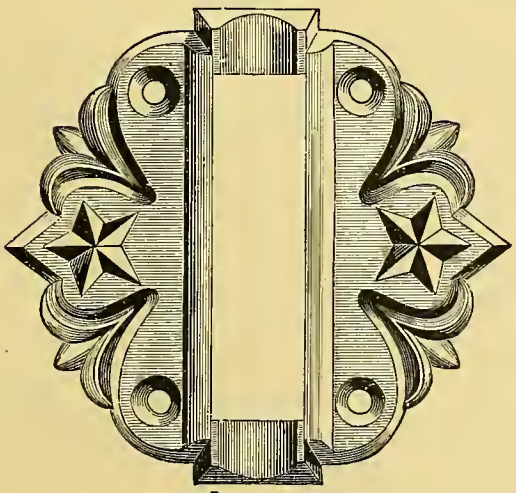
A—876.

2	inch, each,	$1.00	Forspeak.
2½	inch, each,	1.00	Forstall.
3	inch, each,	1.50	Forster.
3½	inch, each,	1.50	Forswat.
4	inch, each,	1.75	Forswonk.
4½	inch, each,	2.00	Fort.
5	inch, each,	2.50	Forte.
6	inch, each,	3.40	Forth.
7	inch, each,	4.00	Forthink.
8	inch, each,	4.65	Forthy.
10	inch, each;	5.75	Fortify.
12	inch, each,	6.75	Fortlet.
14	inch, each,	13.00	Fortress.
16	inch, each,	20.00	Fortune.
18	inch, each,	27.00	Forty.
20	inch, each,	33.00	Forum.
24	inch, each,	40.00	Forword.
36	inch, each,	120.00	Forted.

Extra charge for Square or Oblong Base.

TACK MOULDS.

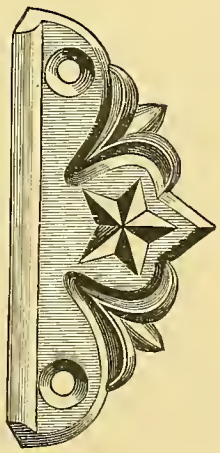
DOUBLE.



A—877.

Each, ... $4.00 Forward.

SINGLE.



A—878.

Each, ... $3.00 Forweep

PLUMBERS' TOOLS.

HAMMERS.

A—879.

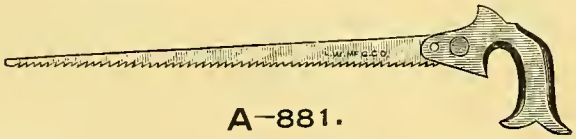
Small, each,	$0.75 Fosse.
Large, each,	$1.00 Fosset.

SAWS.

A—880.

Size,	12	14	16 in.
Single Edge, each,	$0.60 Fossil.	.75 Fossroad.	.85 Foster.
Double Edge, each,	$0.75 Fosterer	.85 Fostress.	.95 Fother.

COMPASS SAWS



A—881.

Size,	10	12 in.
Each,	$0.45 Fotive.	.50 Fotmal.

RASPS.

A—882.

Size,	10	12	14 in.
Half Round, per doz.,	$8.75 Fougade.	12.30 Fougasse.	16.90 Fought.
Flat, per doz.,	$8.75 Foul	12.30 Foulard.	16.90 Foulder.

FLOOR CHISELS.

A—883.

Length, 15 inches; Width of Blade, 3 inches.

Each,	$1.80 Foully.

COLD CHISELS.

A—884.

Size,	6	8	10	12 in.
Each,	$0.42 Foulness.	.50 Foumart.	.61 Found.	.63 Founder.

WOOD CHISELS.

A—885.

2 inch Blade, 14 inches, each,	$0.96 Fount.
1 inch Blade, 10½ inches, each,	$0 50 Fountful.

COPPER HATCHET BOLTS.

A—886.

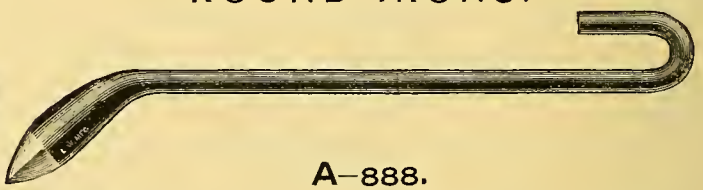
Per pound,	$0.40 Fouter.

COPPER POINTED BOLTS.

A—887.

Per pound,	$0.40 Foutra.

ROUND IRONS.



A—888.

Per doz.,	$8.00 Fouty.	11.00 Foveate.	13.00 Fovilla.

CALKING CHISELS.

A—889.

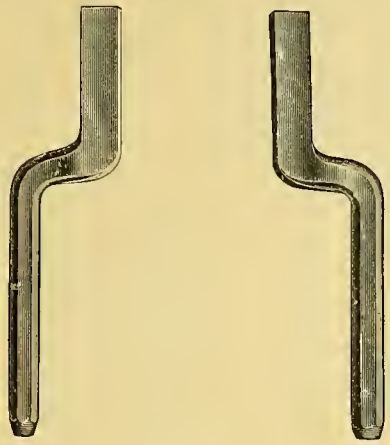
Each,	$0.40 Fowl.

YARNING CHISELS.

A—890.

Each,	$0 50 Fowler

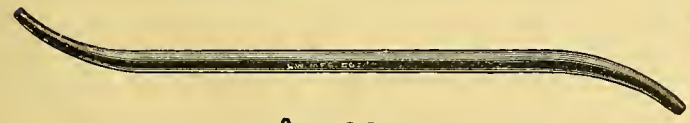
OFFSET CALKING CHISELS.



A—891.

Per pair, 1 Right and 1 Left, . . $1.35 Foxish.

BENDING PINS.

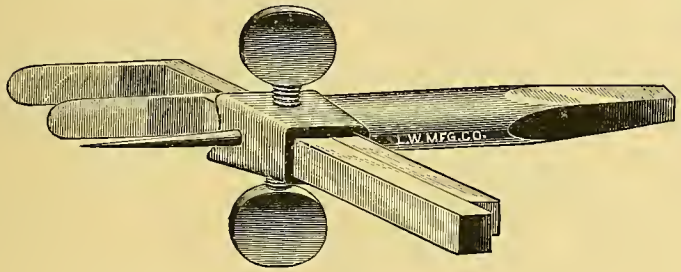


A—892.

Per doz., ... $3.50 Foxly.

WASHER CUTTERS.

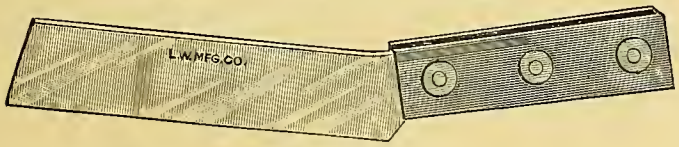
BLACK HANDLE.



A—893.

Per doz., ... $10.00 Foxy.

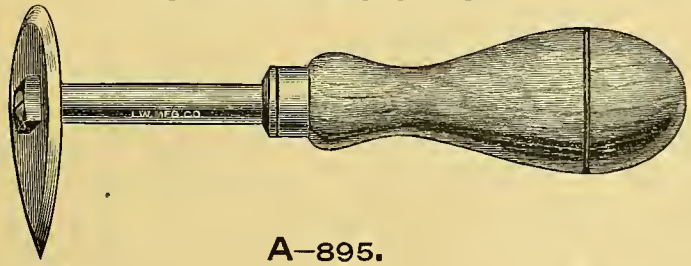
CHIPPING KNIVES.



A—894.

4½ and 5 inches, per doz., ... $6.00 Foy.

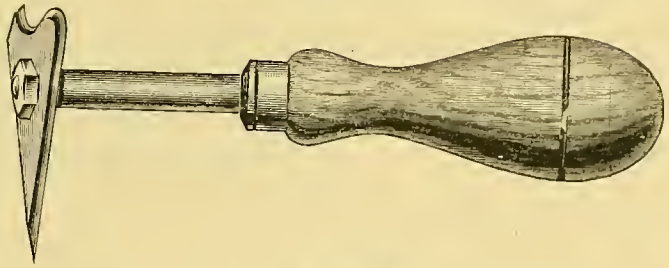
SHAVEHOOKS.



A—895.

Per doz., ... $3.50 Foyson.

SHAVEHOOKS.

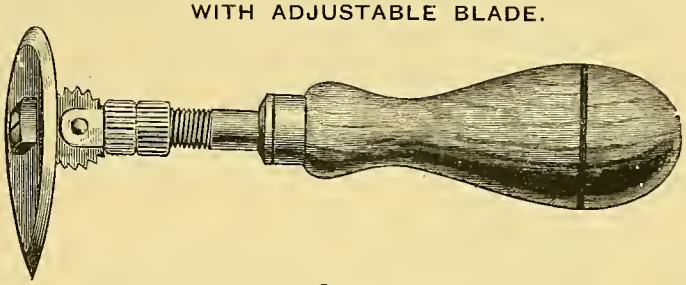


A—896.

Per doz., ... $3.50 Fracas.

SHAVEHOOK.

WITH ADJUSTABLE BLADE.



A—897.

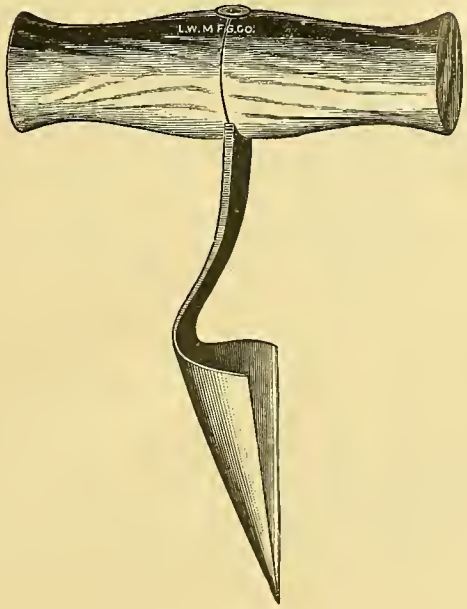
Per doz., ... $6.75 Frache.

SCREW DRIVER.

A—898.

Size, ...	6	7 in.
Per doz., ...	$3.50 Fracid.	4.00 Fract.

TAP BORERS.

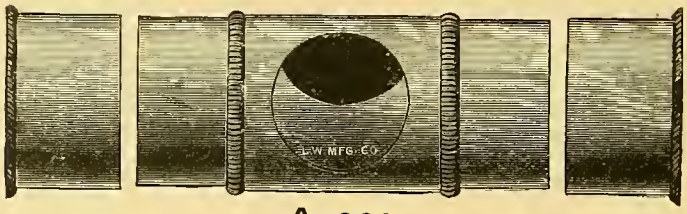


A—899.

New York Pattern, per doz., ... $5.00 Fracted.

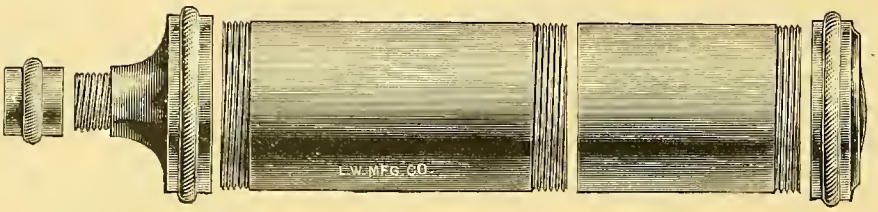
Philadelphia Pattern, per doz., ... $5.00 Fracture.

GREASE BOX.



A—900.

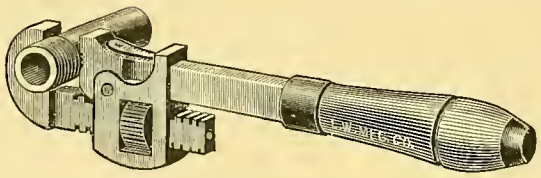
Each, ... $1.25 Fraped



Wolff's Special, each, . . $2.75 Frapler.

A—901.

STILLSON'S WRECNCH.



A—902.

Takes Pipe from,	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½ in.
Length, open, ins.,	10	14	18	24
Each, . .	$2.25 Frailty.	3.00 Fraise.	4.00 Fraised.	6.00 Frame.
Jaws, each, . .	.75 Framer.	1.00 Frampel.	1.33 Frane	2.00 Francic.
Frame, each, .	.33 Frangent.	.45 Franion.	.55 Frank.	.65 Frankly.
Nuts, each, . .	.27 Frantic.	.35 Franzy.	.42 Frap.	.50 Frape.

GAS PLIERS.

BLACK HANDLE.

A—903.

Size,	8	9	10	11	12 in.
Per doz.,	$12.00 Fratrage.	14.00 Fraud.	15.00 Fraught.	16.00 Fray.	18.00 Freak.

BURNER PLIERS.

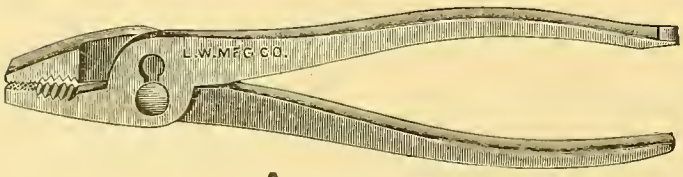
A—905.

Polished, 5 inch, per doz., ... $8.00 Freckle.

Polished, 6 inch, per doz., ... $9.00 Fred.

Add for Nickel Plating, per doz., net, $1.00 Free.

COMBINATION PLIERS.

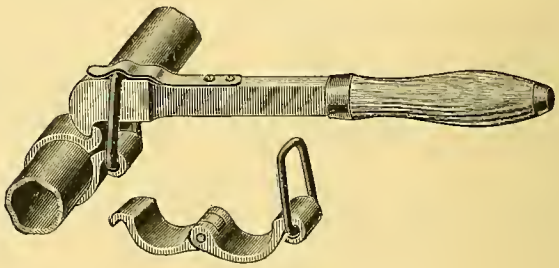


A—906.

6 inch, Nickel Plated, each, ... $1.25 Freedom.

10 inch. Nickel Plated, each, ... $1.75 Freer.

HAYDEN PIPE WRENCH.



A—904.

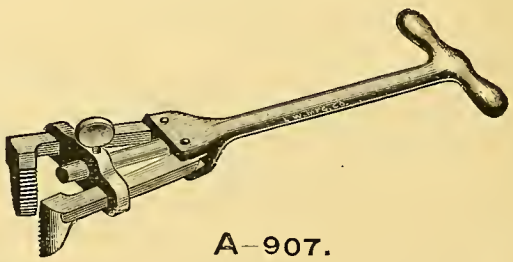
No. 2, 10 inch for ½, ¾ and 1 inch Pipe, with one clamp, each, ... $2.50 Freely.

Additional Clamps, each, ... $0.50 Freeman.

No. 3, 18 inch for 1¼, 1½ and 2 inch Pipe, with one clamp, each, ... $5.00 Freeness.

Additional Clamps, each, ... $1.00 Freewill.

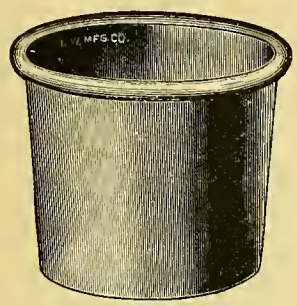
BUZZELL'S PATENT BASIN WRENCH.



A—907.

Per doz., ... $22.00 Freeze.

SOIL CUPS.



A—908.

Copper, per doz., . . $5.00 French.

BOXWOOD TURN PINS.

A—909.

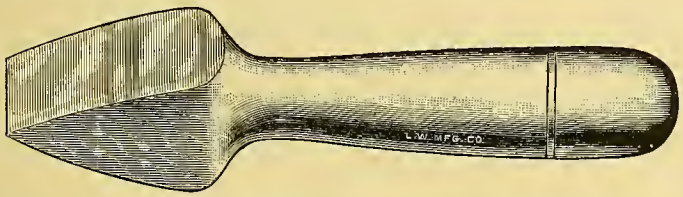
1, 2 and 3 per doz., . $3.00 Frenzy.

DRIFT PLUGS.

A—910.

1, 1¼, 1½ and 2 in., per doz., $2.00 Fresh.

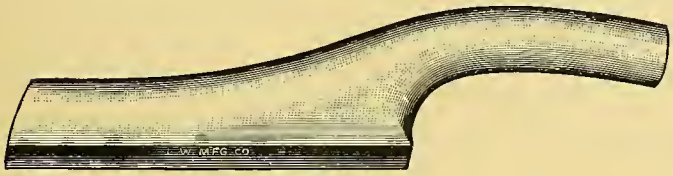
BOXWOOD SIDE EDGES.



A—911.

Per doz., ... $8.50 Frequent.

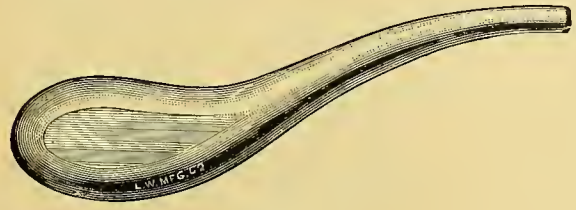
BOXWOOD DRESSERS.



A—912.

Per doz., ... $10.00 Frere.

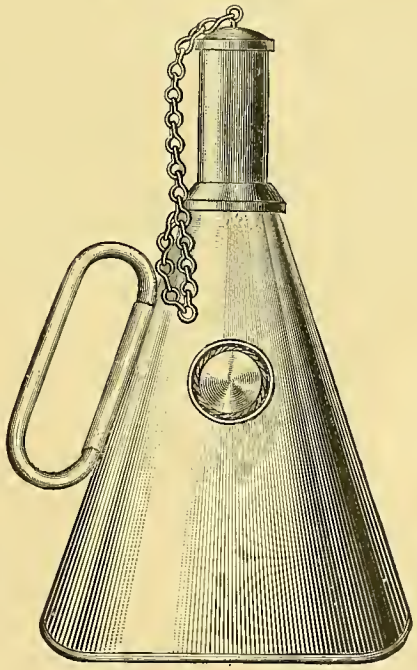
BOXWOOD BOSSING STICKS.



A—913.

Per doz., ... $10.00 Fresco.

TORCHES.



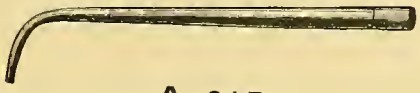
A—914.

Brass, with side filler, each, . . . $2.00 Freshet.

Brass, without side filler, each, . . . $1.35 Fret.

Tin, common, each, ... $0.70 Fretful.

BLOW PIPES.

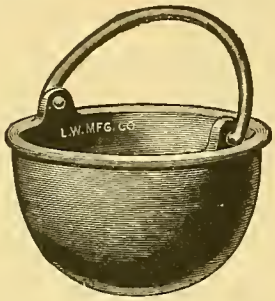


A—915.

Taper, Nickel Ends, per doz., . . . $9.50 Frett.

Taper, common, per doz., . . $4.50 Fretted.

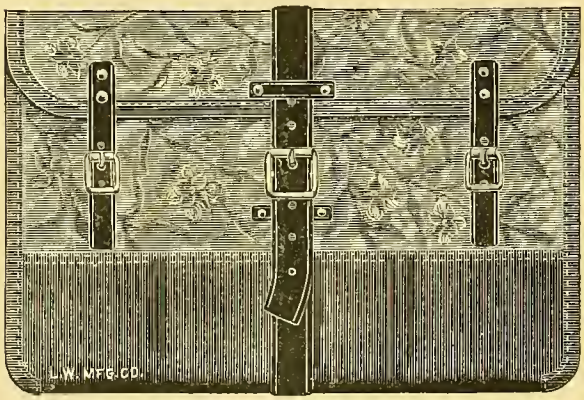
SOLDER POTS.



A–916.

SIZE In. on top,	5	6	6½	8	9	10½	13½
Each,	$0.40 Fretter.	.60 Fretty.	.70 Fretum.	.90 Friable.	1.10 Friar.	1.65 Friarly.	2.75 Friary.

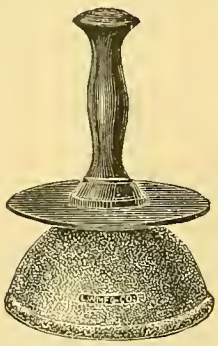
TOOL BAGS.



A–917.

Plain, each,	$4.00 Fribble.
Leather Bottom, each,	$5.00 Friborg.
Leather Bottom and Sides each,	$6.00 Fricace.

RUBBER FORCE CUPS.

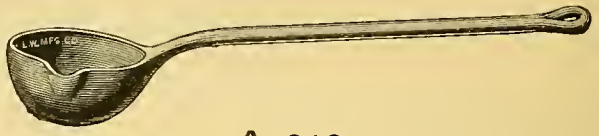


A–918.

No. 1, each,	$0.50 Fridge.
No. 2, each,	$0.75 Fried.
No. 3, each,	$1.00 Fringe.

LADLES.

WROUGHT IRON.



A–919.

Size,	2½	3	3½	4	5	6 in.
Per doz.,	$3.75 Friesic.	4.65 Frieze.	5.50 Friezed.	6.50 Frigate.	8.75 Fright.	10.00 Frigid.

WIPING CLOTHS.

A–920.

ASSORTED SIZES.

Moleskin, each,	$0.25 Frill.
Ticking, each,	$0.15 Frim.

PLUMBERS' FRIEND.

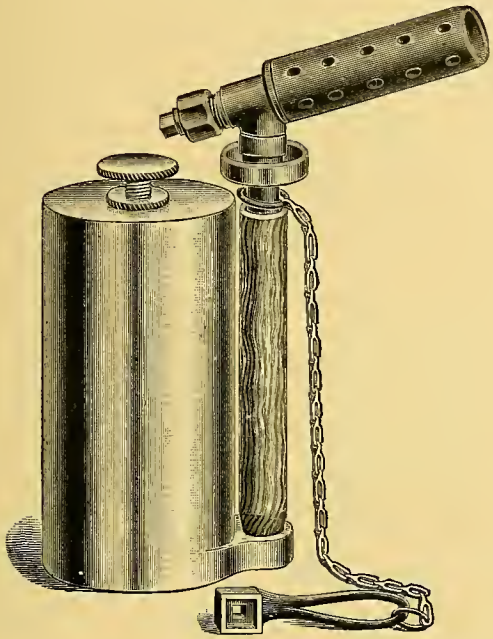
A–921.

Price, each,	$2.00 Friend.

BILLINGS PIPE BENDER.

A–922.

Size,	1¼	1½	2 in.
Each,	$1.50 Friseur.	1.50 Frisk.	2.00 Friskal.
Set of above sizes,		$5.00 Frisker.	



A–923.

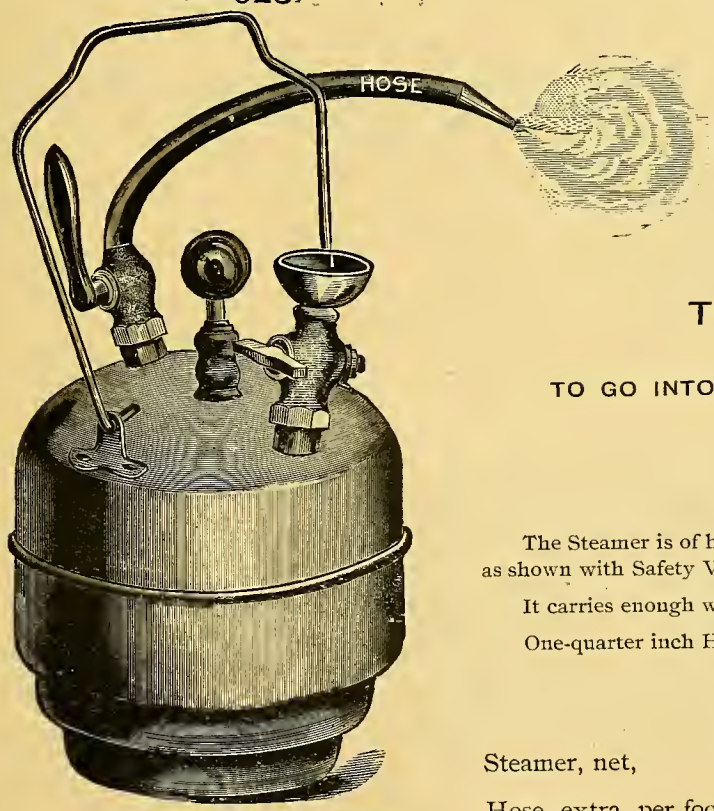
THE CHICAGO VAPOR TORCH.

FOR PLUMBERS, GAS FITTERS, ELECTRICIANS, STEAM FITTERS, CORNICE MAKERS, BELL HANGERS, ETC.

To start flame, open burner pin enough to half fill cup with oil, then shut it off and light cup, and when nearly out, open burner to the desired flame.

The blaze can be graduated after burner is heated, from two feet of fearfully intense solid fire down to a delicately pointed blue blaze, half an inch in length.

Each, ... $6.00 Frisket.



A–924.

THAWING STEAMER.

TO GO INTO PLUMBERS' BLAST FURNACE IN PLACE OF SOLDER POT.

The Steamer is of heavy copper, and is well and substantially made. It is furnished as shown with Safety Valve and Filling Cock.

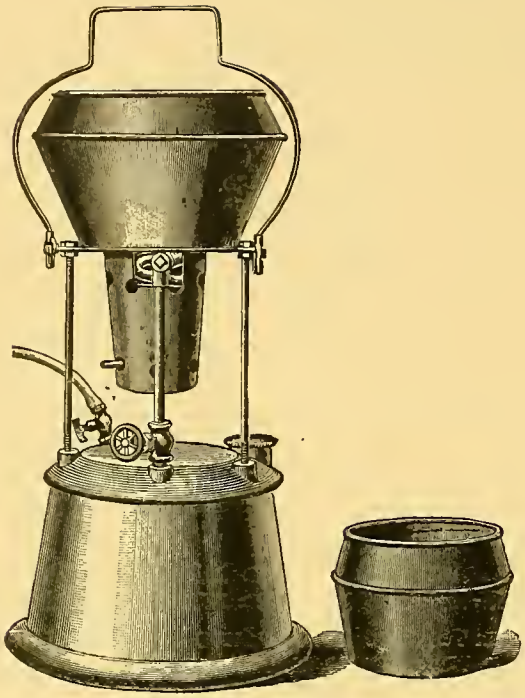
It carries enough water to raise steam for continual use for about two hours.

One-quarter inch Hose to go on Pet Cock to conduct steam where needed.

Steamer, net, ... $5.00 Frisky.

Hose, extra, per foot, ...09 Frit.

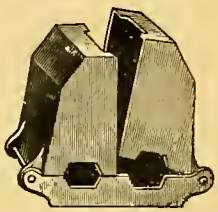
PLUMBERS' BLAST FURNACE.



A—925.

No. 3 REMOVABLE SHIELD.

TO TAKE TWO SOLDER COPPERS.



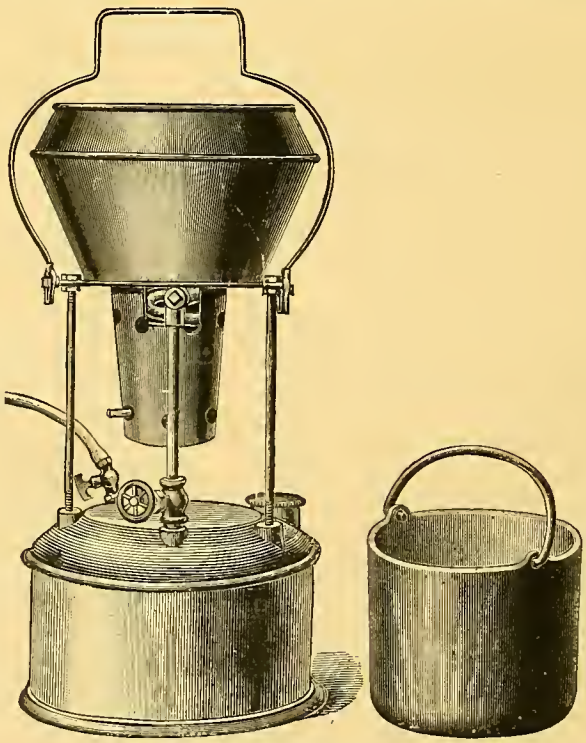
A—926.

No. 1 Removable Shield to take No. 1 Solder Pot. No. 2 Removable Shield to take Nos. 2 and 3 Solder Pot.

Furnace, with Nos. 1 and 2 Shields, ... $7.00 Frith.

Furnace, with Nos. 1, 2 and 3 Shields, to take two Solder Coppers, ... $9.00 Frithy.

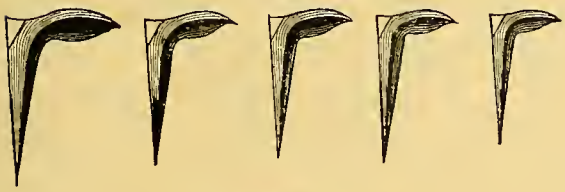
LARGE PLUMBERS' BLAST FURNACE.



A—927.

Furnace, with 8 inch Solder Pot, each, ... $10.00 Fritter.

PLUMBERS' HOOKS.



A–928.

Per pound, ... $0.25 Fro.

GAS HOOKS.

A–929.

Size of pipe,	¼	⅜	½	¾	1	1¼	1½	2 in.
Per 100, net,	$0.45 Frock.	.55 Frocked.	.65 Froe.	.80 Frog.	1.00 Froggy.	1.30 Froise.	1.60 Frolic.	2.00 From

SPUN OAKUM.

FOR CALKING IRON PIPE AND FITTINGS.

A–930.

50 lb. Bale, per lb., . . Market Rates. Frond.

TINNED STRAPS.

A–931.

Size of Pipe,	¼	⅜	½	¾	1	1¼	1½ in.
Straps, per 100,	$1.00 Fronde.	1.00 Frondose.	1.00 Frons.	1.50 Front	2.00 Frontal	2.50 Frontier.	3.50 Fronton

SOLDER.

A–932.

No. 1 Bar Solder, ... Market Rates. Frore.

Tinners' Solder, triangular bars, . . Market Rates. Frorn.

Special price in case lots of 500 lbs.

SOLDER.

A–933.

No. 2 Wiping Solder, . . Market Rates. Frory.

BLOCK TIN.

A–934.

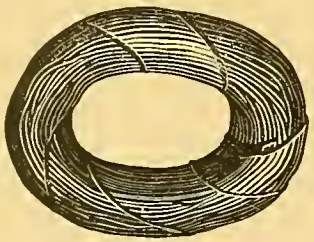
Large Pig, Strait's, weight about 105 lbs., ... Market Rates. Frost.

Small Pig, Lamb & Flag, weight about 30 lbs., ... Market Rates. Frosty.

Small Blocks, Strait's, weight about 3½ lbs., ... Market Rates. Frote.

Bar Tin, Strait's, weight about 1½ lbs., ... Market Rates. Frotey.

COPPER WIRE.



A—935.

Copper Wire, No.	12 Froth.	14 Fructose.	16 Fructure.	18 Frugal.

Market Rates.

WASHERS.

A—936.

Size,	½	⅝	¾ in.
Fibre Washers, per 100,	$0 80 Frothy.	1.00 Frow.	1.25 Froward.
Pasteboard Washers, Basin Cocks, per 1,000,			$1.50 Frower.
Pasteboard Washers, Basin Plugs, per 100,			$0.30 Frown.
Pasteboard Washers, Boiler Couplings, per 100,			$0.30 Frowny.

PLATED SCREWS.

A—937.

Size,	1½	2	2½ in.
Nickel Plated, per doz.,	$2.00 Frowy.	2.50 Frozen.	3.00 Frubish.

PLUMBERS' NAME PLATES.

A—938.

A—938 shows one of the many designs of Name Plates we make; they are made different sizes, and the lettering can be done as desired. Prices, designs and sizes upon application.

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